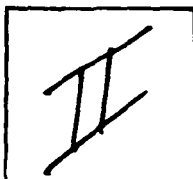


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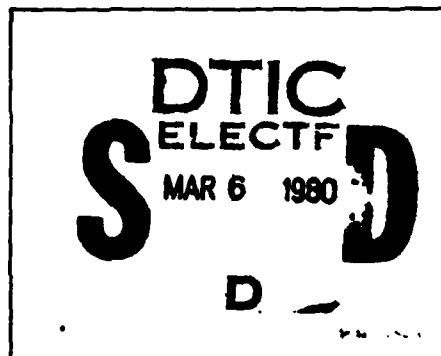
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USAFETAC
Air Weather Service (MAC)**

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

KSC SHUTTLE APT FL WBAN# 12868
N 28 28 W 080 33 FLD ELEV 10 FT XMR WMO # 74794

PARTS A-F

POR FROM HOURLY OBS: JUN 69 - MAY 79
POR FROM DAILY OBS: JUN 57 - MAY 79

TIME CONVERSION GMT TO LST: -5

NOV 06 1979

**FEDERAL BUILDING
ASHEVILLE, N. C.**

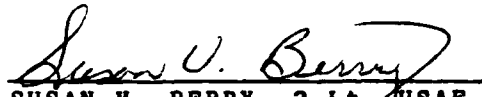
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SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

27 FEB 1980

| REPORT DOCUMENTATION PAGE | | READ INSTRUCTIONS BEFORE COMPLETING FORM | | | | | | | | | | | | | | | |
|---|-----------------------|--|---------|-------------------|----------------------|----------|--------------------|-----------------------|-------------|--------------------|-----------------------|---------------|---------------------|---------------------------|-------------------|----------------------|--------|
| 1. REPORT NUMBER USAFETAC/DS- 80/008 | 2. GOVT ACCESSION NO. | 3. RECIPIENT'S CATALOG NUMBER | | | | | | | | | | | | | | | |
| 4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-KSC Shuttle APT, Titusville, Florida | | 5. TYPE OF REPORT & PERIOD COVERED Final rept. | | | | | | | | | | | | | | | |
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| | | 15. SECURITY CLASS. (of this report) UNCLASSIFIED | | | | | | | | | | | | | | | |
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| 17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report) | | | | | | | | | | | | | | | | | |
| 18. SUPPLEMENTARY NOTES | | | | | | | | | | | | | | | | | |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table> | | | *RUSSWO | Daily temperature | Atmospheric pressure | Snowfall | Extreme snow depth | Extreme surface winds | Climatology | Sea-level pressure | Psychrometric summary | Surface Winds | Extreme temperature | Ceiling versus visibility | Relative humidity | *Climatological data | (over) |
| *RUSSWO | Daily temperature | Atmospheric pressure | | | | | | | | | | | | | | | |
| Snowfall | Extreme snow depth | Extreme surface winds | | | | | | | | | | | | | | | |
| Climatology | Sea-level pressure | Psychrometric summary | | | | | | | | | | | | | | | |
| Surface Winds | Extreme temperature | Ceiling versus visibility | | | | | | | | | | | | | | | |
| Relative humidity | *Climatological data | (over) | | | | | | | | | | | | | | | |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for KSC Shuttle APT, Titusville, Florida It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)) | | | | | | | | | | | | | | | | | |

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Florida

*KSC Shuttle APT, FL

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

UNCLASSIFIED

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV - (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

| STATION NO OR SUMMARY | STATION NAME | LATITUDE | LONGITUDE | FIELD ELEV (FT) | CALL SIGN | WMO NUMBER |
|-----------------------|-------------------------|----------|-----------|-----------------|-----------|------------|
| 12868 | KSC SHUTTLE APT FLORIDA | N 28 28 | W 080 33 | 10 | XMR | 74794 |

STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY |
|--------------------|------------------------------|-----------------|------------------|--------|----------|-----------|---------------------|-----------|-------------|
| | | | FROM | TO | | | FIELD (FT) | HT. BARO. | |
| 1 | Cape Canaveral Florida | AFS | Jun 52 | Jan 53 | N 28 28 | W 080 33 | 14 | 17 ft | 24 |
| 2 | Same | Same | Mar 53 | Feb 54 | Same | Same | Same | Same | 24 |
| 3 | Same | Same | Mar 54 | Oct 56 | Same | Same | 10 | Same | 9-12 |
| 4 | Same | Same | Nov 56 | Mar 64 | N 28 29 | Same | Same | 16 ft | 24 |
| 5 | Cape Kennedy AFS Florida | Same | Apr 64 | Mar 70 | Same | Same | Same | Same | 24 |
| 6 | Same | Same | Apr 70 | Feb 78 | N 28 28 | Same | Same | Same | 24 |
| 7 | KSC Shuttle Apt, FL | Same | Mar 78 | May 79 | Same | Same | Same | Same | 24 |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------|----------------|---|---------------------|------------------|-----------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 1 | Jun 52 | Located on top of weather station | GMQ-1 | ML-204B | 40 ft | |
| 2 | Mar 54 | Located on the NE corner of the weather station | GMQ-1A | Same | 49 ft | |
| 3 | Apr 56 | Located on top of weather station | Same | Same | 35 ft | |
| 4 | Apr 58 | 1. Located on roof of inflation shelter | Same | Same | 36 ft | |
| | | 2. Same | Stewart Type Friez | Stewart Type | 33 ft | |
| | | 3. Same | Same | ML 141-5 | 34 ft | |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|----------------------|--|------------------------|---------------------|--------------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 5 | Apr 62 | 1. Located on roof of inflation shelter | GMQ-1A | ML-204B | 36 ft | |
| | | 2. Same | Friez | M 141-5 | 34 ft | |
| 6 | Apr 63 | Located on roof of inflation shelter | Same | Same | Same | |
| 7 | Apr 67 | Located on roof of inflation shelter which adjoins weather station on E side | Same | Same | Same | |
| 8 | May 79 | Same | Same | Same | Same | |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-MEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total column. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12862
STATION

KJC SHUTTLE Apt FL
STATION NAME

70-72

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | 00-02 | .3 | 3.1 | | | | 3.1 | 5.8 | | | | 5.0 | 729 |
| | 03-05 | .1 | 4.6 | | | | 4.6 | 9.4 | | | | 9.4 | 729 |
| | 06-08 | .1 | 3.9 | | | | 3.9 | 16.7 | | | | 16.7 | 730 |
| | 09-11 | | 3.1 | | | | 3.1 | 4.7 | .6 | | | 5.2 | 730 |
| | 12-14 | .2 | 5.5 | | | | 5.5 | .2 | .1 | | | .3 | 730 |
| | 15-17 | .2 | 3.3 | | | | 3.3 | .6 | .2 | | | .9 | 730 |
| | 18-20 | .4 | 3.7 | | | | 3.7 | .9 | .3 | | | 1.2 | 729 |
| | 21-23 | .1 | 2.4 | | | | 2.4 | 2.0 | | | | 2.0 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 3.7 | | | | 3.7 | 5.0 | .2 | | | 5.2 | 7437 |

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR CATHER SERVICE/MAC

WEATHER CONDITIONS

1280P
STATIONKSC SHUTTLE APT FL
STATION NAME

10-71

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| FEB | 00-02 | .2 | 3.7 | | | | 3.7 | 3.4 | | | | 3.4 | 646 |
| | 03-05 | .4 | 3.3 | | | | 3.3 | 6.3 | | | | 6.3 | 644 |
| | 06-08 | | 3.7 | | | | 3.7 | 12.3 | .2 | | | 12.4 | 640 |
| | 09-11 | .5 | 5.3 | | | | 5.3 | 4.1 | 1.3 | | | 5.4 | 646 |
| | 12-14 | .2 | 4.3 | | | | 4.3 | .4 | .7 | | | 1.1 | 646 |
| | 15-17 | .4 | 4.5 | | | | 4.5 | 1.2 | .5 | | | 1.7 | 646 |
| | 18-20 | .8 | 5.0 | | | | 5.0 | 2.1 | .1 | | | 2.2 | 646 |
| | 21-23 | 1.2 | 6.5 | | | | 6.5 | 2.0 | | | | 2.0 | 646 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .5 | 4.5 | | | | 4.5 | 4.0 | .4 | | | 4.3 | 6766 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12854
STATION

KSC SHUTTLE APT FL
STATION NAME

70-74
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| 01-02 | 00-02 | .6 | 4.2 | | | | 4.2 | 1.0 | | | | 1.0 | 930 |
| | 03-05 | 1.4 | 4.1 | | | | 4.1 | 5.4 | .1 | | | 5.5 | 928 |
| | 06-08 | .8 | 3.3 | | | | 3.3 | 11.7 | .8 | | | 12.3 | 928 |
| | 09-11 | 1.0 | 2.3 | | | | 2.3 | 2.0 | 1.4 | | | 3.4 | 930 |
| | 12-14 | .9 | 2.9 | | | | 2.9 | .1 | .9 | | | .9 | 930 |
| | 15-17 | .5 | 3.0 | | | | 3.0 | .5 | .4 | | | 1.0 | 929 |
| | 18-20 | 1.1 | 4.1 | | | | 4.1 | .5 | .5 | | | 1.1 | 925 |
| | 21-23 | 1.1 | 3.7 | | | | 3.7 | .3 | | | | .3 | 927 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .9 | 3.5 | | | | 3.5 | 2.7 | .5 | | | 3.2 | 7427 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12868
STATION

KSC SHUTTLE Apt FL
STATION NAME

70-70

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| APR | 00-02 | .2 | 1.0 | | | | 1.0 | .6 | | | | .6 | 899 |
| | 03-05 | | 1.8 | | | | 1.8 | 1.7 | | | | 1.7 | 900 |
| | 06-08 | .1 | 2.1 | | | | 2.1 | 7.8 | 1.8 | | | 9.1 | 900 |
| | 09-11 | .7 | 2.0 | | | | 2.0 | 1.1 | 1.3 | | | 2.3 | 900 |
| | 12-14 | 1.7 | 2.1 | | | | 2.1 | .1 | .4 | | | .6 | 900 |
| | 15-17 | 1.4 | 3.0 | | | | 3.0 | | .2 | | | .2 | 899 |
| | 18-20 | .3 | 1.3 | | | | 1.3 | | .2 | | | .2 | 898 |
| | 21-23 | .2 | 1.2 | | | | 1.2 | | | | | | 900 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .6 | 1.8 | | | | 1.8 | 1.4 | .5 | | | 1.8 | 7196 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1286F
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY | 00-02 | .8 | .9 | | | | .9 | .2 | 1.0 | | | 1.0 | 929 |
| | 03-05 | .3 | .8 | | | | .8 | .2 | .6 | | | .9 | 930 |
| | 06-08 | .3 | 2.5 | | | | 2.5 | 3.4 | 1.7 | | | 4.3 | 930 |
| | 09-11 | 1.6 | 2.7 | | | | 2.7 | .2 | 1.7 | | | 1.9 | 930 |
| | 12-14 | 6.1 | 4.7 | | | | 4.7 | | 1.4 | | | 1.4 | 930 |
| | 15-17 | 8.1 | 6.6 | | | | 6.6 | .1 | 1.7 | | | 1.8 | 930 |
| | 18-20 | 7.1 | 6.0 | | | | 6.0 | .2 | 1.1 | | | 1.3 | 927 |
| | 21-23 | 2.8 | 5.2 | | | | 5.2 | .2 | .9 | | | 1.1 | 927 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 3.4 | 3.7 | | | | 3.7 | .6 | 1.3 | | | 1.7 | 7433 |

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12868
STATIONKSC SHUTTLE APT FL
STATION NAME

9-70

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUN | 00-02 | .9 | 2.3 | | | | 2.3 | .4 | | | | .4 | 900 |
| | 03-05 | .9 | 2.7 | | | | 2.7 | 1.2 | | | | 1.2 | 900 |
| | 06-08 | 1.0 | 3.2 | | | | 3.2 | 3.4 | 1.9 | | | 5.2 | 900 |
| | 09-11 | 1.7 | 2.2 | | | | 2.2 | | .9 | | | .9 | 900 |
| | 12-14 | 7.2 | 5.0 | | | | 5.0 | | .7 | | | .7 | 900 |
| | 15-17 | 15.4 | 8.9 | | | | 8.9 | | .3 | | | .3 | 900 |
| | 18-20 | 11.0 | 10.8 | | | | 10.8 | .2 | .4 | | | .7 | 900 |
| | 21-23 | 3.0 | 4.2 | | | | 4.2 | .1 | | | | .1 | 900 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 5.1 | 4.9 | | | | 4.9 | .7 | .5 | | | 1.2 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12863
STATION

KSC SHUTTLE APT FL
STATION NAME

1978

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL | 00-02 | .6 | .9 | | | | .9 | .1 | | | | .1 | 930 |
| | 03-05 | .6 | .6 | | | | .6 | .1 | | | | .1 | 930 |
| | 06-08 | 1.4 | 1.9 | | | | 1.9 | 1.7 | .6 | | | 2.4 | 930 |
| | 09-11 | 2.2 | 2.7 | | | | 2.7 | | .3 | | | .3 | 930 |
| | 12-14 | 12.6 | 4.5 | | | | 4.5 | | .6 | | | .6 | 930 |
| | 15-17 | 20.9 | 8.6 | | | | 8.6 | .2 | .2 | | | .4 | 930 |
| | 18-20 | 12.7 | 9.1 | | | | 9.1 | .2 | .1 | | | .3 | 930 |
| | 21-23 | 3.7 | 3.5 | | | | 3.5 | | | | | | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 6.8 | 4.0 | | | | 4.0 | .3 | .2 | | | .5 | 7440 |

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

WEATHER CONDITIONS

12863
STATION

KSC SHUTTLE APT FL
STATION NAME

9-70

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| AUG | 00-02 | 1.2 | 1.1 | | | | 1.1 | .2 | .1 | | | .3 | 929 |
| | 03-05 | .9 | 1.4 | | | | 1.4 | .5 | | | | .5 | 930 |
| | 06-08 | 1.1 | 1.2 | | | | 1.2 | 2.0 | .9 | | | 2.8 | 930 |
| | 09-11 | 2.5 | 2.8 | | | | 2.8 | .1 | 1.3 | | | 1.4 | 930 |
| | 12-14 | 8.2 | 3.3 | | | | 3.3 | | 1.1 | | | 1.1 | 930 |
| | 15-17 | 15.4 | 8.5 | | | | 8.5 | | 1.5 | | | 1.5 | 930 |
| | 18-20 | 8.9 | 6.9 | | | | 6.9 | .2 | 1.4 | | | 1.6 | 929 |
| | 21-23 | 3.0 | 3.0 | | | | 3.0 | | .1 | | | .1 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 5.2 | 3.5 | | | | 3.5 | .4 | .8 | | | 1.2 | 7438 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAF

WEATHER CONDITIONS

12862
STATION

KSC SHUTTLE APT FL
STATION NAME

9-70

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| SEP | 00-02 | 3.3 | 4.2 | | | | 4.2 | .2 | .2 | | | .4 | 900 |
| | 03-05 | 1.8 | 4.6 | | | | 4.6 | .3 | | | | .3 | 900 |
| | 06-08 | 1.2 | 4.9 | | | | 4.9 | 2.7 | .7 | | | 3.3 | 900 |
| | 09-11 | 1.2 | 3.7 | | | | 3.7 | | .3 | | | .3 | 900 |
| | 12-14 | 5.9 | 4.7 | | | | 4.7 | | | | | | 900 |
| | 15-17 | 7.4 | 6.3 | | | | 6.3 | | .4 | | | .4 | 900 |
| | 18-20 | 6.1 | 7.4 | | | | 7.4 | | .6 | | | .6 | 900 |
| | 21-23 | 4.2 | 5.7 | | | | 5.7 | | .3 | | | .3 | 899 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 3.9 | 5.2 | | | | 5.2 | .4 | .3 | | | .7 | 7199 |

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/IAF

WEATHER CONDITIONS

1286R KSC SHUTTLE Apt FL 19-78 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| OCT | 00-02 | 1.0 | 2.8 | | | | 2.8 | .1 | | | | .1 | 930 |
| | 03-05 | 1.2 | 3.0 | | | | 3.0 | 2.0 | | | | 2.0 | 929 |
| | 06-08 | 1.0 | 5.4 | | | | 5.4 | 5.1 | .2 | | | 5.1 | 930 |
| | 09-11 | .4 | 4.5 | | | | 4.5 | .3 | .3 | | | .6 | 930 |
| | 12-14 | 1.2 | 5.4 | | | | 5.4 | .3 | | | | .3 | 930 |
| | 15-17 | 2.0 | 6.0 | | | | 6.0 | .1 | | | | .1 | 930 |
| | 18-20 | 2.5 | 6.6 | | | | 6.6 | | .1 | | | .1 | 930 |
| | 21-23 | 1.3 | 4.7 | | | | 4.7 | | | | | | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.3 | 4.8 | | | | 4.8 | 1.0 | .1 | | | 1.0 | 7439 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12864
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| NOV | 00-02 | | 3.3 | | | | 3.3 | 2.7 | .4 | | | 3.2 | 900 |
| | 03-05 | .3 | 4.1 | | | | 4.1 | 4.6 | | | | 4.6 | 900 |
| | 06-08 | .2 | 3.7 | | | | 3.7 | 8.8 | | | | 8.8 | 900 |
| | 09-11 | .4 | 3.9 | | | | 3.9 | 2.7 | .3 | | | 3.0 | 900 |
| | 12-14 | .4 | 3.7 | | | | 3.7 | | .9 | | | .9 | 900 |
| | 15-17 | 1.2 | 5.2 | | | | 5.2 | .2 | 1.1 | | | 1.3 | 899 |
| | 18-20 | .7 | 4.9 | | | | 4.9 | .6 | 1.6 | | | 2.1 | 900 |
| | 21-23 | .3 | 3.7 | | | | 3.7 | 1.1 | .9 | | | 1.9 | 900 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .4 | 4.1 | | | | 4.1 | 2.6 | .7 | | | 3.2 | 7199 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12864
STATION

KSC SHUTTLE Apt FL
STATION NAME

9-70

YEARS

JFL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| DEL | 00-02 | | 4.9 | | | | 4.9 | 4.5 | | | | 4.5 | 930 |
| | 03-05 | .1 | 5.4 | | | | 5.4 | 6.0 | | | | 6.0 | 930 |
| | 06-08 | | 4.6 | | | | 4.6 | 9.8 | | | | 9.8 | 930 |
| | 09-11 | .2 | 5.1 | | | | 5.1 | 3.2 | .3 | | | 3.5 | 930 |
| | 12-14 | .4 | 6.0 | | | | 6.0 | .1 | | | | .1 | 930 |
| | 15-17 | 1.0 | 5.2 | | | | 5.2 | .5 | | | | .5 | 930 |
| | 18-20 | .3 | 5.2 | | | | 5.2 | 1.5 | | | | 1.5 | 928 |
| | 21-23 | | 5.2 | | | | 5.2 | 2.4 | | | | 2.4 | 926 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .3 | 5.2 | | | | 5.2 | 3.5 | .0 | | | 3.5 | 7434 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12803
STATION

KSC SHUTTLE APT FL
STATION NAME

9-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | ALL | .2 | 3.7 | | | | 3.7 | 5.0 | .2 | | | 5.2 | 7437 |
| FEB | | .5 | 4.5 | | | | 4.5 | 4.0 | .4 | | | 4.3 | 6760 |
| MAR | | .5 | 3.5 | | | | 3.5 | 2.7 | .5 | | | 3.2 | 7427 |
| APR | | .6 | 1.8 | | | | 1.8 | 1.4 | .5 | | | 1.8 | 7196 |
| MAY | | 3.4 | 3.7 | | | | 3.7 | .6 | 1.3 | | | 1.7 | 7433 |
| JUN | | 5.1 | 4.9 | | | | 4.9 | .7 | .5 | | | 1.2 | 7200 |
| JUL | | 6.8 | 4.0 | | | | 4.0 | .3 | .2 | | | .5 | 7440 |
| AUG | | 5.2 | 3.5 | | | | 3.5 | .4 | .8 | | | 1.2 | 7438 |
| SEP | | 3.9 | 5.2 | | | | 5.2 | .4 | .3 | | | .7 | 7199 |
| OCT | | 1.3 | 4.8 | | | | 4.8 | 1.0 | .1 | | | 1.0 | 7439 |
| NOV | | .4 | 4.1 | | | | 4.1 | 2.6 | .7 | | | 3.2 | 7199 |
| DEC | | .3 | 5.2 | | | | 5.2 | 3.5 | .0 | | | 3.5 | 7434 |
| TOTALS | | 2.4 | 4.1 | | | | 4.1 | 1.9 | .5 | | | 2.3 | 87608 |

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

XX **WEATHER CONDITIONS** XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

12867
STATION

KSC SHUTTLE APT FL
STATION NAME

7-79
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | DAILY | 2.3 | 34.0 | | .1 | | 34.2 | 27.3 | 2.1 | | | 27.9 | 682 |
| FEB | | 5.8 | 34.1 | | | | 34.1 | 25.4 | 3.7 | | .2 | 27.7 | 621 |
| MAR | | 9.7 | 33.9 | | | | 33.9 | 21.7 | 3.8 | | | 23.3 | 682 |
| APR | | 2.4 | 23.2 | | | | 23.2 | 14.5 | 3.9 | | .2 | 15.6 | 660 |
| MAY | | 25.4 | 35.3 | | | .4 | 35.3 | 8.7 | 5.6 | | | 11.3 | 682 |
| JUN | | 43.9 | 49.5 | | | | 49.5 | 7.7 | 2.2 | | | 9.4 | 660 |
| JUL | | 52.9 | 48.1 | | | | 48.1 | 5.0 | 1.2 | | | 5.9 | 682 |
| AUG | | 46.6 | 45.7 | | | | 45.7 | 7.2 | 2.2 | | | 8.7 | 682 |
| SEP | | 32.7 | 37.3 | | | | 37.3 | 5.0 | 1.7 | | | 6.1 | 660 |
| OCT | | 12.3 | 46.6 | | | | 46.6 | 8.8 | 1.3 | | | 9.5 | 682 |
| NOV | | 3.3 | 34.1 | | | | 34.1 | 20.2 | 2.7 | | | 21.1 | 660 |
| DEC | | 3.2 | 36.5 | | | | 36.5 | 24.0 | 1.9 | | | 24.5 | 682 |
| TOTALS | | 20.7 | 39.9 | | .0 | .0 | 39.9 | 14.6 | 2.7 | | .0 | 15.9 | 6033 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- * 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- * 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

| | | |
|-----------------------------|-------|--|
| EXTREME DAILY PRECIPITATION | ".00" | equals none for the month (hundredths) |
| EXTREME DAILY SNOWFALL | ".0" | equals none for the month (tenths) |
| EXTREME DAILY SNOW DEPTH | "0" | equals none for the month (whole inches) |
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

| | |
|---------------------|------------|
| Beginning thru 1945 | at 0800LST |
| Jan 46-May 47 | at 1230GMT |
| Jun 57-present | at 1200GMT |

U. S. Navy and National Weather Service (USNS)

| | |
|-----------------------|------------|
| Beginning thru Jun 52 | at 0030GMT |
| Jul 52-May 57 | at 1230GMT |
| Jun 57-present | at 1200GMT |

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

YEARS

1210 WS FORM JUL 44 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

12866
STATIONKSC SHUTTLE APT FL
STATION NAME

57-79

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH YEAR | JAN. | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|---------------|
| 57 | | | | | | 1.22 | 2.11 | 1.75 | 1.67 | .62 | .53 | 1.12 | |
| 58 | 1.51 | 1.13 | 1.00 | 1.15 | .70 | .68 | 1.47 | .60 | 1.01 | 1.68 | 1.39 | 1.39 | 1.68 |
| 59 | 1.43 | 1.84 | 1.48 | 1.68 | .89 | 1.72 | 2.33 | 2.07 | 1.45 | 1.85 | 1.65 | .82 | 2.33 |
| 60 | .58 | .94 | 5.62 | .71 | 1.42 | 1.25 | 1.57 | 1.41 | 3.16 | 1.76 | .61 | .54 | 5.62 |
| 61 | 2.98 | .86 | .62 | .44 | .78 | 2.31 | 2.03 | 2.36 | 1.89 | 1.05 | 1.32 | .26 | 2.98 |
| 62 | .31 | 1.10 | 1.25 | .80 | .04 | 2.66 | 2.33 | 1.80 | 2.84 | 1.35 | 1.72 | .21 | 2.84 |
| 63 | .92 | 2.09 | .52 | .21 | .71 | .95 | 3.57 | 1.45 | 6.86 | .22 | 5.89 | .78 | 6.86 |
| 64 | 1.27 | .99 | 1.78 | .71 | 1.27 | .70 | 2.24 | 5.81 | 4.08 | 1.90 | 3.42 | .69 | 5.81 |
| 65 | 1.98 | 1.50 | 1.60 | .13 | .03 | 1.78 | .89 | 1.17 | .82 | 1.81 | 1.47 | .79 | 1.98 |
| 66 | 1.38 | 3.17 | 1.86 | 1.26 | 1.53 | 4.06 | .72 | 2.68 | 1.24 | 1.12 | .49 | .51 | 4.06 |
| 67 | .72 | 1.72 | .25 | .07 | TRACE | 1.28 | 2.52 | .95 | 1.79 | .90 | TRACE | 1.80 | 2.52 |
| 68 | .23 | 1.60 | 1.75 | .67 | 1.12 | 4.34 | 1.37 | 1.82 | 1.22 | 5.20 | .73 | .31 | 5.20 |
| 69 | 1.60 | .87 | 1.40 | .06 | 2.65 | .49 | 1.35 | 1.30 | 1.65 | 1.83 | .92 | 1.60 | 2.65 |
| 70 | 2.40 | .74 | 1.05 | .60 | 1.38 | .99 | 1.44 | 1.10 | .57 | .98 | .12 | .30 | 2.40 |
| 71 | .04 | 2.42 | .80 | 1.23 | 3.02 | .58 | .79 | 1.77 | 2.25 | 1.06 | 1.59 | 1.17 | 3.02 |
| 72 | .60 | 1.51 | 2.82 | .38 | 1.33 | 3.21 | 1.05 | 1.25 | .60 | 2.01 | 4.00 | .65 | 4.00 |
| 73 | 1.29 | .78 | 1.00 | .68 | .75 | 1.68 | 1.12 | 1.01 | 2.51 | 1.93 | .77 | .93 | 2.51 |
| 74 | .03 | .15 | .79 | .53 | .71 | 1.32 | 2.89 | 3.95 | 1.18 | 1.64 | .45 | .94 | 3.95 |
| 75 | .26 | .45 | .55 | .50 | 1.23 | 2.60 | .51 | 1.49 | 2.61 | 1.70 | .26 | .08 | 2.61 |
| 76 | .45 | .45 | .50 | .49 | 1.80 | .70 | .66 | 1.89 | 2.93 | 1.31 | 2.66 | .35 | 2.93 |
| 77 | .55 | .75 | .15 | .51 | .56 | .17 | 1.03 | 2.15 | 1.41 | 2.43 | 4.93 | .80 | 4.93 |
| 78 | 1.25 | 1.97 | 1.42 | .03 | 1.45 | 3.09 | 2.48 | .29 | 1.02 | 2.16 | .43 | 1.67 | 3.09 |
| 79 | 4.55 | .58 | .95 | .43 | 1.49 | | | | | | | | |
| MEAN | 1.198 | 1.255 | 1.325 | .603 | 1.130 | 1.717 | 1.658 | 1.821 | 2.035 | 1.660 | 1.607 | .805 | 3.522 |
| S.D. | 1.073 | .732 | 1.143 | .424 | .750 | 1.171 | .817 | 1.172 | 1.409 | .955 | 1.609 | .491 | 1.412 |
| TOTAL OBS. | 682 | 621 | 682 | 660 | 682 | 660 | 682 | 682 | 660 | 682 | 660 | 682 | 8035 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXCEEDENCE VALUES

MONTHLY PRECIPITATION

1286R
STATION

KSC SHUTTLE APT FL
STATION NAME

57-79

FROM DAILY OBSERVATIONS

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT. | NOV | DEC | ALL MONTHS |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| 57 | | | | | | 3.94 | 7.27 | 7.29 | 4.47 | 2.35 | 1.09 | 2.76 | |
| 58 | 5.57 | 2.23 | 4.45 | 2.15 | 1.42 | 2.95 | 3.97 | 1.63 | 2.05 | 4.35 | 3.65 | 3.42 | 37.84 |
| 59 | 2.60 | 4.75 | 6.89 | 4.27 | 1.62 | 4.71 | 5.70 | 8.01 | 5.35 | 5.34 | 3.81 | 2.05 | 55.10 |
| 60 | .69 | 4.57 | 11.27 | .89 | 1.81 | 7.11 | 6.27 | 4.77 | 13.82 | 5.26 | 1.04 | 1.39 | 58.89 |
| 61 | 3.79 | 1.05 | 2.02 | .75 | 2.50 | 4.45 | 4.86 | 6.61 | 4.67 | 3.29 | 2.61 | .37 | 36.97 |
| 62 | .84 | 1.40 | 3.24 | 1.39 | .04 | 8.76 | 7.70 | 10.46 | 10.38 | 2.79 | 4.32 | .61 | 51.93 |
| 63 | 3.12 | 5.03 | 2.12 | .50 | 1.68 | 2.87 | 12.30 | 3.38 | 20.98 | .99 | 8.26 | 2.63 | 63.86 |
| 64 | 4.52 | 4.07 | 2.17 | .82 | 1.71 | .95 | 6.89 | 12.05 | 7.30 | 3.80 | 6.19 | 1.05 | 51.52 |
| 65 | 3.08 | 3.73 | 5.27 | .19 | .03 | 6.36 | 2.41 | 1.42 | 3.12 | 6.05 | 2.34 | 1.77 | 37.77 |
| 66 | 5.18 | 5.40 | 3.28 | 1.53 | 7.10 | 10.03 | 3.09 | 7.06 | 6.74 | 2.24 | 1.42 | 1.43 | 56.50 |
| 67 | 1.70 | 3.99 | .46 | .10 | TRACE | 4.86 | 8.54 | 3.75 | 4.70 | 2.12 | TRACE | 3.60 | 33.82 |
| 68 | .30 | 2.74 | 2.51 | 1.78 | 4.74 | 19.01 | 3.43 | 3.90 | 4.49 | 14.37 | 1.92 | .40 | 59.59 |
| 69 | 2.33 | 1.27 | 3.34 | .11 | 5.41 | 1.81 | 4.24 | 4.70 | 8.71 | 5.88 | 3.23 | 3.10 | 44.13 |
| 70 | 5.55 | 1.79 | 3.11 | 1.01 | 2.15 | 4.00 | 5.03 | 4.02 | 2.46 | 3.62 | .26 | .72 | 33.72 |
| 71 | .10 | 4.97 | 1.40 | 1.77 | 4.55 | 1.56 | 4.87 | 3.53 | 5.05 | 7.54 | 4.45 | 2.79 | 42.58 |
| 72 | 1.71 | 3.70 | 3.62 | .91 | 3.94 | 9.41 | 3.22 | 5.44 | 1.64 | 2.80 | 8.39 | 2.62 | 47.40 |
| 73 | 5.24 | 1.70 | 2.57 | 1.92 | 1.82 | 4.79 | 3.22 | 5.03 | 8.41 | 3.85 | 1.12 | 2.54 | 42.21 |
| 74 | .03 | .35 | .94 | .95 | 2.02 | 7.45 | 7.82 | 8.10 | 5.00 | 4.31 | .77 | 2.52 | 40.26 |
| 75 | .55 | .63 | .95 | .64 | 3.88 | 7.47 | 2.06 | 3.05 | 3.74 | 4.91 | .91 | .28 | 29.07 |
| 76 | .69 | .49 | .76 | .69 | 6.30 | 4.79 | 1.76 | 5.14 | 8.70 | 2.05 | 4.34 | 1.99 | 37.70 |
| 77 | .93 | 1.95 | .42 | 1.10 | 2.26 | .37 | 3.57 | 4.42 | 4.92 | 2.61 | 8.64 | 4.06 | 35.25 |
| 78 | 2.08 | 5.37 | 2.69 | .04 | 3.05 | 8.85 | 12.79 | 1.14 | 3.20 | 4.41 | .64 | 3.48 | 47.84 |
| 79 | 6.94 | 1.26 | 1.35 | .74 | 5.01 | | | | | | | | |
| MEAN | 2.615 | 2.838 | 2.947 | 1.102 | 2.865 | 5.841 | 5.500 | 5.223 | 6.364 | 4.315 | 3.155 | 2.072 | 44.855 |
| S. D. | 2.105 | 1.742 | 2.451 | .929 | 1.999 | 4.103 | 3.001 | 2.771 | 4.386 | 2.743 | 2.687 | 1.156 | 9.790 |
| TOTAL OBS. | 682 | 621 | 682 | 660 | 682 | 660 | 682 | 682 | 660 | 682 | 660 | 682 | 8035 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

12804
 STATION

KJC SMITHS APT FL
 STATION NAME

7-73
 YEARS

| PRECIP. | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|---|----------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW- DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 99.5 | .1 | | | | | | | | | | | | | 682 | TRACE | TRACE | .0 |
| FEB | 100.0 | | | | | | | | | | | | | | 621 | .0 | .0 | .0 |
| MAR | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| APR | 100.0 | | | | | | | | | | | | | | 660 | .0 | .0 | .0 |
| MAY | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| JUN | 100.0 | | | | | | | | | | | | | | 660 | .0 | .0 | .0 |
| JUL | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| AUG | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| SEP | 100.0 | | | | | | | | | | | | | | 660 | .0 | .0 | .0 |
| OCT | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| NOV | 100.0 | | | | | | | | | | | | | | 660 | .0 | .0 | .0 |
| DEC | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| ANNUAL | 100.0 | .0 | | | | | | | | | | | | | 8035 | .0 | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

FROM DAILY OBSERVATIONS

12808 KSC SHUTTLE APT FL
STATION STATION NAME

57-79

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

 EXTREME VALUES
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

| | | |
|---------|-------------|--------------|
| 12868 | KSC SHUTTLE | APT FL |
| STATION | | STATION NAME |

57-79

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

| | MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|------------|-------|------|------|------|------|-----|------|------|------|------|------|------|------|------------|
| YEAR | | | | | | | | | | | | | | |
| 57 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 58 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 59 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 60 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 61 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 62 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 63 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 64 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 65 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 66 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 67 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 68 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 69 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 70 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 71 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 72 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 73 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 74 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 75 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 76 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 77 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE |
| 78 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 79 | | .0 | .0 | .0 | .0 | .0 | | | | | | | | |
| TOTAL OBS. | | 682 | 621 | 682 | 660 | 682 | 660 | 682 | 682 | 660 | 682 | 660 | 682 | 8035 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

GLOBAL CLIMATOLOGY DIVISION
USAF/FLC
AIR WEATHER SERVICE/HAF

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

12800

KSC SEATTLE APT FL

7-7

STATION

STATION NAME

YEARS

| PRECIP. | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|---|----------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW- DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 100.0 | | | | | | | | | | | | | | 682 | | | |
| FEB | 100.0 | | | | | | | | | | | | | | 621 | | | |
| MAR | 100.0 | | | | | | | | | | | | | | 682 | | | |
| APR | 100.0 | | | | | | | | | | | | | | 600 | | | |
| MAY | 100.0 | | | | | | | | | | | | | | 682 | | | |
| JUN | 100.0 | | | | | | | | | | | | | | 660 | | | |
| JUL | 100.0 | | | | | | | | | | | | | | 682 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 682 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 660 | | | |
| OCT | 100.0 | | | | | | | | | | | | | | 682 | | | |
| NOV | 100.0 | | | | | | | | | | | | | | 660 | | | |
| DEC | 100.0 | | | | | | | | | | | | | | 682 | | | |
| ANNUAL | 100.0 | | | | | | | | | | | | | | 6035 | | | |

2

SNOW DEPTH

FROM DAILY OBSERVATIONS:

57-79

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

* Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

59-00, 62-79

YEARS

DAILY PEAK GUSTS IN KNOTS

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|------------|
| YEAR | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | |
| 60 | W | 46WSW | 43W | 34N | 29ENE | 24NE | 24SW | 36NW | 26SSE | 68SSE | 25NNW | 25NNW | 32 |
| 62 | N | 34N | 33WNW | 39N | 32NE | 25N | 37N | 32W | 38N | 38W | 35NNW | 33WNW | 37 |
| 63 | W | 34SW | 41NW | 33W | 27N | 30WNW | 34NW | 41E | 40NE | 43NNW | 31W | 37ESE | 36 |
| 64 | W | 32WSW | 42NW | 33SSW | 53N | 37SSW | 24W | 34E | 60WSW | 56SSW | 38NNW | 32NE | *29 |
| 65 | WNW | 33W | 42N | 46N | 29N | 23S | 42NW | 42NW | 30NE | 48NE | 36E | 29N | 34 |
| 66 | WNW | 36SW | *39WSW | 32W | 44NW | 32SE | 48SSE | 45SW | 38S | 30N | 26W | 32NW | 27 |
| 67 | SSW | 33N | 42NNE | 36ESE | 31SSE | 34S | 36W | 33WSW | 36NNE | 26N | 25NNW | 30NW | 35 |
| 68 | NNW | 29SSW | 37NW | 32N | 28SW | 33N | 4027/ | 2816/ | 4134/ | 2717/ | 3719/ | 4629/ | 33 |
| 69 | 34/ | 2924/ | 6021/ | 3611/ | 24 4/ | 3219/ | 3126/ | 2719/ | 3030/ | 3215/ | 3532/ | 4031/ | 40 |
| 70 | 29/ | 3019/ | 3918/ | 4821/ | 3415/ | 3130/ | 4311/ | 4224/ | 3213/ | 2511/ | 3132/ | 3032/ | 30 |
| 71 | 31/ | 2725/ | 4822/ | 4024/ | 3315/ | 3629/ | 3230/ | 3116/ | 2827/ | 34 9/ | 2427/ | 26 6/ | 40 |
| 72 | 30/ | 3628/ | 4034/ | 34 6/ | 3336/ | 3511/ | 4610/ | 2733/ | 25 8/ | 29 5/ | 2924/ | 3635/ | 39 |
| 73 | 27/ | 3521/ | 3329/ | 3721/ | 3317/ | 3330/ | 2513/ | 2618/ | 34 9/ | 2435/ | 3319/ | 2721/ | 41 |
| 74 | 36/ | 2319/ | 3724/ | 3415/ | 2927/ | 4616/ | 5023/ | 3031/ | 43 5/ | 30 3/ | 3336/ | 2527/ | 31 |
| 75 | 23/ | 3029/ | 3021/ | 3331/ | 3321/ | 30 7/ | 3423/ | 33 1/ | 3415/ | 2930/ | 31 6/ | 2513/ | 28 |
| 76 | 28/ | 3427/ | 3926/ | 35 3/ | 3727/ | 4630/ | 3633/ | 2822/ | 3011/ | 26 2/ | 3236/ | 32 6/ | 27 |
| 77 | 31/ | 3635/ | 2615/ | 2523/ | 3420/ | 3430/ | 3429/ | 3411/ | 3310/ | 3136/ | 2932/ | 2924/ | 26 |
| 78 | 29/ | 4136/ | 3327/ | 3530/ | 3519/ | 4030/ | 4222/ | 4428/ | 26 2/ | 29 5/ | 2831/ | 2722/ | 38 |
| 79 | 26/ | 4534/ | 3426/ | 3611/ | 30 3/ | 31 | | | | | | | |
| MEAN | 33.6 | 38.7 | 36.0 | 33.5 | 33.4 | 37.0 | 34.1 | 34.6 | 35.1 | 31.0 | 31.1 | 33.6 | 46.2 |
| S.D. | 5.651 | 7.334 | 5.073 | 6.581 | 5.937 | 7.550 | 6.087 | 8.057 | 11.382 | 4.177 | 5.542 | 4.949 | 8.384 |
| TOTAL OBS. | 620 | 561 | 618 | 600 | 647 | 569 | 585 | 588 | 568 | 587 | 567 | 584 | 6942 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-885 (OLA)

* (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12868 STATION KSC Seattle APT FL 70-79 YEARS 1961 MONTH 0000-0200 HOURS (L.S.T.)
CLASS ALL WE. THUR
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.1 | 1.7 | 1.6 | 1.3 | .1 | | | | | | | 5.8 | 7.3 |
| NNE | .3 | .4 | .3 | .2 | | | | | | | | 1.3 | 6.4 |
| NE | .4 | .4 | .4 | .3 | | | | | | | | 1.6 | 6.1 |
| ENE | .4 | .5 | .6 | .3 | | | | | | | | 1.9 | 6.8 |
| E | .4 | 1.6 | 1.2 | .4 | | | | | | | | 4.1 | 6.2 |
| ESE | 1.4 | 1.7 | 1.3 | .2 | | | | | | | | 4.6 | 5.3 |
| SE | 2.7 | 1.1 | 1.2 | | | | | | | | | 5.0 | 4.3 |
| SSE | 1.0 | 1.7 | 1.5 | | | | | | | | | 4.2 | 5.6 |
| S | 3.3 | 3.9 | 2.8 | .4 | .3 | .2 | | | | | | 11.4 | 6.3 |
| SSW | 1.8 | 2.0 | 1.7 | .4 | | | | | | | | 6.0 | 5.5 |
| SW | 1.4 | 1.3 | .9 | .1 | | | | | | | | 4.1 | 4.6 |
| WSW | .8 | 1.4 | .8 | .2 | | | | | | | | 2.7 | 5.2 |
| W | 1.8 | 1.8 | 1.4 | 1.2 | .1 | | | | | | | 6.4 | 6.7 |
| WNW | 3.0 | 2.7 | 1.6 | 1.4 | .2 | | | | | | | 8.9 | 6.1 |
| NW | 2.8 | 5.1 | 2.0 | 1.9 | .3 | | | | | | | 13.1 | 6.7 |
| NNW | 2.7 | 2.1 | 2.4 | 2.7 | | | | | | | | 10.9 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.0 | |
| | 26.3 | 30.6 | 22.3 | 11.8 | 1.1 | .2 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12868 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS JAN NORTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.5 | 1.0 | 1.0 | .5 | | | | | | | | 5.1 | 7.0 |
| NNE | .4 | .5 | .2 | | | | | | | | | 1.2 | 4.5 |
| NE | .3 | .5 | 1.1 | .4 | | | | | | | | 2.4 | 7.7 |
| ENE | .4 | .5 | .4 | .2 | | | | | | | | 1.6 | 6.0 |
| E | 1.0 | 1.2 | .6 | .2 | | | | | | | | 3.0 | 5.0 |
| ESE | 1.4 | .4 | 1.1 | .2 | | | | | | | | 3.1 | 5.6 |
| SE | 1.6 | 1.2 | .0 | .2 | | | | | | | | 3.8 | 6.6 |
| SSE | .8 | 1.7 | 1.2 | .3 | | | | | | | | 4.3 | 6.2 |
| S | 1.2 | 2.2 | 2.2 | 1.1 | .2 | .1 | | | | | | 7.2 | 7.3 |
| SSW | 1.9 | 3.1 | .9 | .0 | | | | | | | | 6.7 | 5.4 |
| SW | 2.3 | 1.3 | 1.2 | .2 | | | | | | | | 5.0 | 4.7 |
| WSW | .4 | .6 | .6 | .1 | | | | | | | | 2.3 | 5.6 |
| W | 3.1 | 1.4 | .0 | 1.2 | .2 | | | | | | | 6.8 | 6.0 |
| WNW | 2.4 | 2.4 | 1.2 | 1.3 | | | | | | | | 7.2 | 6.2 |
| NW | 2.9 | 6.5 | 4.1 | 2.0 | .2 | | | | | | | 16.3 | 6.6 |
| NNW | 2.9 | 4.4 | 4.3 | 2.3 | | | | | | | | 14.5 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.7 | |
| | 25.3 | 29.0 | 22.7 | 12.6 | .6 | .1 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

128.5 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS MONTH JAN
ALL W. THE. CLASS 0600-0600 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.2 | .4 | 1.1 | | | | | | | | 4.7 | 6.6 |
| NNE | .1 | .3 | .5 | | | | | | | | | 1.0 | 7.2 |
| NE | .5 | .3 | .5 | .6 | | | | | | | | 1.6 | 5.9 |
| ENE | .4 | .5 | 1.2 | .5 | | | | | | | | 2.5 | 6.5 |
| E | 1.0 | 1.1 | 1.1 | .3 | | | | | | | | 3.4 | 5.9 |
| ESE | 1.5 | .1 | .4 | | | | | | | | | 2.0 | 3.6 |
| SE | 1.1 | 1.0 | 1.0 | .3 | | | | | | | | 3.3 | 5.4 |
| SSE | 1.1 | 1.4 | 1.5 | .4 | | | | | | | | 4.8 | 6.7 |
| S | 1.6 | 2.3 | 2.7 | 1.2 | | | | | | | | 7.7 | 6.9 |
| SSW | 1.2 | 2.5 | 1.3 | .6 | | | | | | | | 5.6 | 6.1 |
| SW | 1.4 | 2.0 | 1.1 | .2 | | | | | | | | 4.7 | 5.3 |
| WSW | 1.2 | .6 | .3 | .6 | | | | | | | | 2.3 | 5.8 |
| W | 3.9 | 1.8 | .3 | .6 | .1 | | | | | | | 7.3 | 4.9 |
| WNW | 3.0 | 2.4 | 1.6 | 1.0 | .2 | | | | | | | 8.2 | 5.8 |
| NW | 2.6 | 5.7 | 3.4 | 3.3 | .1 | .1 | | | | | | 15.7 | 7.2 |
| NNW | 4.0 | 5.2 | 3.5 | 2.3 | | | | | | | | 14.9 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.6 | |
| | 26.1 | 28.4 | 23.3 | 13.1 | .4 | .1 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12862 STATION KSC SHUTTLE APT FL STATION NAME 7-79 YEARS J6 MONTHS 0900-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.7 | 2.7 | 1.0 | .3 | | | | | | | 7.3 | 8.1 |
| NNE | .3 | .5 | .8 | .6 | | | | | | | | 2.4 | 7.8 |
| NE | .3 | .4 | .6 | .3 | | | | | | | | 1.7 | 7.1 |
| ENE | .2 | .3 | 1.4 | .1 | | | | | | | | 2.5 | 7.7 |
| E | .5 | 1.4 | 3.2 | .3 | | | | | | | | 5.9 | 7.6 |
| ESE | .3 | 1.1 | .6 | .1 | | | | | | | | 2.2 | 6.2 |
| SE | .4 | .9 | 1.2 | .1 | | | | | | | | 2.6 | 6.7 |
| SSE | 1.0 | .4 | 3.0 | 2.2 | | | | | | | | 6.6 | 8.7 |
| S | .4 | 1.2 | 4.6 | 4.5 | .1 | | | | | | | 11.2 | 9.5 |
| SSW | .6 | 1.2 | 2.0 | 1.4 | .1 | | | | | | | 5.4 | 8.3 |
| SW | .3 | 1.5 | 2.0 | 1.2 | | | | | | | | 5.1 | 8.0 |
| WSW | .3 | 1.1 | 1.6 | .5 | .3 | | | | | | | 3.9 | 8.4 |
| W | 1.1 | 2.3 | 1.2 | 1.0 | | | | | | | | 5.5 | 6.5 |
| WNW | .3 | 2.0 | 2.0 | 1.4 | .3 | | | | | | | 7.1 | 8.5 |
| NW | 1.0 | 2.6 | 4.7 | 3.3 | .4 | | | | | | | 12.7 | 8.5 |
| NNW | 1.0 | 4.1 | 4.5 | 4.7 | .1 | | | | | | | 14.4 | 8.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.8 | |
| | 10.6 | 22.7 | 36.8 | 24.4 | 1.7 | | | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12865 STATION K.C. SHUTTLE APT FL 70-79 YEARS 10-1 NORTH
ALL AT THE CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .2 | 2.5 | 3.1 | 5.4 | .8 | | | | | | | 12.4 | 10.4 |
| NNE | .2 | 1.1 | 1.5 | .4 | .1 | | | | | | | 3.9 | 6.5 |
| NE | .3 | 1.4 | 1.5 | .4 | | | | | | | | 4.0 | 7.8 |
| ENE | .3 | 1.5 | 1.7 | .3 | | | | | | | | 3.0 | 6.7 |
| E | .3 | 1.5 | 2.0 | 1.2 | | | | | | | | 6.0 | 7.0 |
| ESE | .3 | 1.2 | 2.7 | .2 | | | | | | | | 4.4 | 7.3 |
| SE | .1 | 1.1 | 2.5 | .2 | | | | | | | | 4.5 | 8.4 |
| SSE | .2 | .6 | 5.2 | 3.5 | .2 | | | | | | | 9.8 | 10.0 |
| S | | 2.2 | 4.2 | 4.7 | | | | | | | | 11.1 | 9.7 |
| SSW | .2 | 1.2 | 1.6 | 1.4 | .1 | | | | | | | 4.9 | 9.2 |
| SW | .1 | .8 | 1.1 | 1.4 | | | | | | | | 3.5 | 9.7 |
| WSW | .4 | .5 | 1.2 | .4 | .1 | .1 | | | | | | 3.2 | 8.8 |
| W | .4 | .6 | 2.6 | 1.3 | .4 | .4 | | | | | | 5.9 | 10.6 |
| WNW | .2 | .5 | 2.0 | 1.4 | .5 | | | | | | | 5.2 | 10.6 |
| NW | .1 | 1.1 | 2.6 | 1.6 | .2 | | | | | | | 6.2 | 9.6 |
| NNW | .2 | 1.1 | 2.9 | 5.4 | .1 | | | | | | | 9.9 | 10.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 4.1 | 18.8 | 40.2 | 32.6 | 2.4 | .5 | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

128000 STATION KSC SHUTTLE APT FL 7-79 YEARS 1A MONTH 1500-1700 HOURS (L.S.T.)
ALL REF THE CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | 2.9 | 5.0 | 5.5 | .4 | | | | | | | 15.1 | 9.5 |
| NNE | .8 | 1.9 | 1.6 | .4 | | | | | | | | 4.7 | 6.2 |
| NE | .5 | 2.0 | 1.4 | .2 | | | | | | | | 4.7 | 5.2 |
| ENE | .3 | 3.1 | 1.6 | .2 | | | | | | | | 5.3 | 6.2 |
| E | 1.2 | 3.7 | 1.9 | .5 | | | | | | | | 7.6 | 6.2 |
| ESE | .4 | 3.5 | 1.8 | .4 | | | | | | | | 6.2 | 6.3 |
| SE | 1.2 | 3.0 | 5.1 | 1.0 | | | | | | | | 10.0 | 7.4 |
| SSE | .4 | 1.8 | 4.6 | 3.5 | .1 | | | | | | | 10.5 | 9.2 |
| S | .0 | 1.2 | 1.5 | 1.2 | | | | | | | | 4.5 | 7.7 |
| SSW | .1 | .6 | .0 | 1.0 | | | | | | | | 2.4 | 9.1 |
| SW | | .6 | 1.0 | 1.2 | | | | | | | | 2.8 | 9.6 |
| WSW | .2 | .5 | .4 | .6 | .1 | | | | | | | 2.4 | 8.8 |
| W | .2 | 1.0 | 1.8 | 2.4 | .2 | .1 | .2 | | | | | 5.9 | 11.2 |
| WNW | .0 | .4 | 2.2 | 1.8 | .3 | | | | | | | 5.4 | 9.8 |
| NW | .2 | .9 | 2.2 | 1.6 | .1 | | | | | | | 4.9 | 9.2 |
| NNW | .3 | .6 | 2.2 | 2.9 | .4 | | | | | | | 6.5 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 7.6 | 24.5 | 35.9 | 24.8 | 1.7 | .1 | .2 | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12802 STATION KSC SHUTTLE APT FL STATION NAME 74-72 YEARS JAN MONTH 1800-2000 HOURS (L.T.V.)
ALL WE THEN CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 3.0 | 2.4 | 4.2 | 1.2 | .1 | | | | | | | 11.4 | 6.2 |
| NNE | 1.3 | 1.2 | .2 | .2 | .1 | | | | | | | 3.0 | 5.2 |
| NE | .9 | 1.2 | .1 | | | | | | | | | 2.2 | 4.0 |
| ENE | 2.2 | 2.4 | 1.1 | .2 | | | | | | | | 5.8 | 4.9 |
| E | 2.5 | 2.6 | 1.2 | .3 | | | | | | | | 6.8 | 5.1 |
| ESE | 2.4 | 2.4 | .4 | | | | | | | | | 5.6 | 3.8 |
| SE | 2.2 | 3.7 | 1.9 | | | | | | | | | 7.8 | 4.8 |
| SSE | 1.8 | 3.7 | 4.1 | 1.4 | | | | | | | | 10.9 | 6.8 |
| S | 1.1 | 2.5 | 1.2 | .4 | | | | | | | | 5.2 | 5.5 |
| SSW | .6 | .8 | 1.2 | .3 | | | | | | | | 3.0 | 7.0 |
| SW | .5 | 1.0 | .8 | .2 | .1 | | | | | | | 2.6 | 6.5 |
| WSW | .4 | .6 | .1 | | | | | | | | | 1.2 | 4.2 |
| W | 1.4 | 2.5 | 1.2 | 1.2 | .2 | .2 | | | | | | 6.7 | 7.3 |
| WNW | .6 | 1.5 | 1.8 | 1.8 | .2 | | | | | | | 6.0 | 8.6 |
| NW | .9 | 1.2 | 1.1 | .6 | | | | | | | | 3.9 | 6.9 |
| NNW | 2.0 | 3.1 | 2.8 | 1.2 | .1 | | | | | | | 10.2 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.9 | |
| | 24.8 | 32.6 | 24.4 | 9.3 | .9 | .2 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1286R STATION NAME KSC SHUTTLE APT FL YEARS 76-79 MONTH NA

CLASS ALL WEATHER HOURS (L S Y) 2100-2300

CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.0 | 2.3 | 1.9 | 1.0 | .2 | | | | | | | 7.4 | 6.5 |
| NNE | 1.1 | .5 | .4 | .5 | | | | | | | | 2.6 | 6.2 |
| NE | .9 | .5 | .2 | .2 | | | | | | | | 1.8 | 5.4 |
| ENE | 1.0 | 1.1 | 1.2 | .1 | | | | | | | | 3.3 | 5.4 |
| E | 1.6 | 2.0 | 1.5 | .3 | | | | | | | | 5.5 | 5.7 |
| ESE | 2.2 | 1.8 | 1.3 | .5 | | | | | | | | 6.1 | 5.2 |
| SE | 2.0 | 1.9 | .6 | | | | | | | | | 4.6 | 4.2 |
| SSE | 1.5 | 2.9 | 2.9 | 1.0 | | | | | | | | 8.3 | 6.5 |
| S | 2.2 | 4.3 | 2.5 | 1.0 | .1 | .2 | | | | | | 10.2 | 6.5 |
| SSW | 1.4 | 1.3 | .3 | .1 | .1 | | | | | | | 3.7 | 5.2 |
| SW | .8 | .9 | .3 | .2 | | | | | | | | 2.2 | 5.6 |
| WSW | .5 | 1.2 | .4 | .1 | | | | | | | | 2.3 | 5.4 |
| W | 1.2 | 2.2 | 1.2 | 1.2 | .1 | | .1 | | | | | 5.9 | 7.2 |
| WNW | 1.1 | 1.9 | 2.6 | 1.7 | | | | | | | | 7.3 | 7.6 |
| NW | 2.5 | 2.2 | 2.7 | 1.4 | .2 | | | | | | | 8.9 | 7.1 |
| NNW | 2.4 | 3.9 | 2.0 | 1.6 | .1 | | | | | | | 10.4 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.5 | |
| | 24.9 | 30.8 | 22.6 | 11.0 | .9 | .2 | .1 | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12858 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS JAN MONTH ALL AT THE CLASS ALL HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.5 | 1.9 | 2.7 | 2.3 | .2 | | | | | | | 8.6 | 8.1 |
| NNE | .6 | .8 | .8 | .3 | .0 | | | | | | | 2.5 | 6.4 |
| NE | .5 | .9 | .7 | .3 | | | | | | | | 2.5 | 6.4 |
| ENE | .7 | 1.3 | 1.2 | .2 | | | | | | | | 3.3 | 6.2 |
| E | 1.1 | 1.9 | 1.7 | .6 | | | | | | | | 5.3 | 6.2 |
| ESE | 1.3 | 1.5 | 1.2 | .2 | | | | | | | | 6.3 | 5.5 |
| SE | 1.4 | 1.7 | 1.4 | .4 | | | | | | | | 5.2 | 5.9 |
| SSE | 1.0 | 1.8 | 3.0 | 1.6 | .0 | | | | | | | 7.4 | 7.8 |
| S | 1.4 | 2.4 | 2.7 | 1.9 | .1 | .1 | | | | | | 8.6 | 7.6 |
| SSW | 1.0 | 1.6 | 1.3 | .8 | .0 | | | | | | | 4.7 | 6.8 |
| SW | .9 | 1.2 | 1.0 | .6 | .0 | | | | | | | 3.7 | 6.6 |
| WSW | .6 | .8 | .7 | .4 | .1 | .0 | | | | | | 2.6 | 6.9 |
| W | 1.6 | 1.7 | 1.4 | 1.3 | .2 | .1 | .0 | | | | | 6.3 | 7.6 |
| WNW | 1.5 | 1.7 | 1.9 | 1.6 | .2 | | | | | | | 6.9 | 7.6 |
| NW | 1.7 | 3.1 | 3.1 | 2.1 | .2 | .0 | | | | | | 10.2 | 7.5 |
| NNW | 2.0 | 3.2 | 3.2 | 3.0 | .1 | | | | | | | 11.5 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.3 | |
| | 16.7 | 27.7 | 28.4 | 17.4 | 1.2 | .2 | .0 | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12864 KSC SHUTTLE APT FL STATION NAME 70-79 YEARS FEB MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 2.7 | 1.0 | .0 | | | | | | | | 6.9 | 5.2 |
| NNE | 1.5 | .7 | .1 | .1 | | | | | | | | 2.5 | 3.2 |
| NE | .2 | .5 | .5 | .1 | | | | | | | | 1.3 | 5.7 |
| ENE | .4 | .6 | .5 | | | | | | | | | 1.4 | 5.0 |
| E | 1.0 | 1.1 | .2 | .4 | | | | | | | | 3.8 | 5.3 |
| ESE | 1.2 | 1.1 | 1.2 | .1 | | | | | | | | 3.5 | 5.1 |
| SE | 1.4 | 1.1 | .8 | .2 | .1 | | | | | | | 3.7 | 5.7 |
| SSE | .4 | 1.8 | .1 | .4 | .5 | | | | | | | 5.6 | 7.3 |
| S | 2.1 | 4.3 | 3.2 | .5 | .1 | | | | | | | 10.6 | 6.4 |
| SSW | 2.2 | 1.4 | .2 | .6 | | | | | | | | 5.2 | 5.2 |
| SW | .9 | 2.5 | .7 | .4 | | | | | | | | 4.5 | 5.4 |
| WSW | 1.4 | 2.0 | .3 | .4 | | | | | | | | 4.6 | 5.2 |
| W | 2.6 | 4.8 | 2.1 | .2 | .1 | | | | | | | 10.6 | 6.0 |
| WNW | 1.2 | 4.3 | 2.2 | 1.9 | | .1 | | | | | | 9.7 | 7.3 |
| NW | 1.5 | 3.9 | 4.3 | 2.1 | .1 | | | | | | | 11.9 | 7.5 |
| NNW | 1.5 | 3.1 | 1.9 | 1.4 | | | | | | | | 7.9 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.3 | |
| | 22.5 | 35.7 | 24.1 | 10.4 | .9 | .1 | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY SPANCH
USAFETAC
AIR WEATHER SERVICE/AF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12850 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS FEB MONTH 0300-0500 HOURS (L.S.T.)
ALL AC. THE CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.4 | 1.8 | 1.0 | .0 | | | | | | | | 6.5 | 5.7 |
| NNE | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.4 |
| NE | .1 | .7 | .2 | | | | | | | | | 1.1 | 5.2 |
| ENE | .5 | .5 | .5 | .1 | | | | | | | | 1.5 | 5.6 |
| E | 1.3 | 2.1 | .7 | .2 | | | | | | | | 4.6 | 4.8 |
| ESE | .6 | .7 | 1.1 | | | | | | | | | 2.6 | 5.3 |
| SE | 1.1 | .8 | .4 | .1 | | | | | | | | 2.4 | 4.7 |
| SSE | .7 | .6 | 1.3 | .7 | .1 | | | | | | | 3.4 | 8.3 |
| S | 1.7 | 2.4 | 3.7 | .9 | .1 | | | | | | | 8.8 | 6.8 |
| SSW | 1.8 | 2.3 | .7 | .2 | | | | | | | | 5.0 | 4.6 |
| SW | 1.2 | 1.9 | .8 | .4 | | | | | | | | 4.3 | 5.2 |
| WSW | 1.9 | 1.8 | .4 | .1 | .1 | | | | | | | 4.3 | 4.7 |
| W | 2.7 | 4.1 | 1.5 | .4 | | | | | | | | 8.8 | 5.1 |
| WNW | 3.8 | 4.0 | 1.7 | 1.8 | .2 | | | | | | | 11.5 | 6.1 |
| NW | 2.4 | 6.6 | 4.7 | 2.3 | | | | | | | | 16.0 | 6.4 |
| NNW | 1.9 | 5.6 | 3.3 | 1.3 | | | | | | | | 12.1 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.0 | |
| | 25.0 | 26.3 | 23.0 | 9.1 | .6 | | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12808 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS FEB MONTH 0600-0600 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.8 | 3.0 | 1.5 | 1.1 | .2 | | | | | | | 8.6 | 5.5 |
| NNE | .4 | .7 | .1 | .1 | | | | | | | | 1.3 | 5.0 |
| NE | .5 | .6 | | | | | | | | | | 1.1 | 4.2 |
| ENE | .6 | .7 | .0 | .2 | | | | | | | | 2.1 | 5.7 |
| E | 1.6 | 1.2 | .6 | .1 | | | | | | | | 3.7 | 4.4 |
| ESE | .6 | 1.1 | .7 | .2 | | | | | | | | 2.6 | 5.9 |
| SE | .8 | .7 | 1.1 | .1 | | | | | | | | 2.7 | 5.7 |
| SSE | .7 | .6 | .9 | | | | | | | | | 2.2 | 5.5 |
| S | .9 | 1.9 | 3.3 | 2.2 | | | | | | | | 8.6 | 8.3 |
| SSW | 1.5 | 1.3 | 1.4 | .1 | | | | | | | | 4.4 | 5.2 |
| SW | 1.5 | 1.7 | 1.1 | .1 | | | | | | | | 4.4 | 4.8 |
| WSW | 1.3 | .9 | .4 | | | | | | | | | 2.6 | 4.0 |
| W | 3.1 | 2.6 | 1.2 | .4 | .4 | | | | | | | 8.0 | 6.2 |
| WNW | 2.7 | 3.5 | 2.1 | 1.7 | .1 | | | | | | | 10.2 | 6.4 |
| NW | 2.4 | 7.1 | 4.7 | 3.3 | | | | | | | | 17.5 | 6.9 |
| NNW | 3.2 | 4.6 | 3.2 | 2.0 | .1 | | | | | | | 13.1 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.1 | |
| | 24.8 | 32.2 | 22.9 | 12.2 | .8 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

128-11 STATION KSC SHUTTLE APT FL 7-79 YEARS FEB NORTH
ALL WINDS CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.2 | 1.5 | 4.0 | 5.1 | .5 | | | | | | | 12.3 | 10.0 |
| NNE | .7 | 1.2 | .8 | .4 | .1 | | | | | | | 3.2 | 6.7 |
| NE | .1 | 1.1 | .5 | .1 | | | | | | | | 1.8 | 6.1 |
| ENE | 1.4 | .5 | 1.2 | .1 | | | | | | | | 3.1 | 5.6 |
| E | .6 | 1.2 | 1.2 | .3 | | | | | | | | 4.0 | 7.4 |
| ESE | .7 | .6 | 1.1 | .0 | | | | | | | | 3.0 | 7.2 |
| SE | .1 | .5 | 1.7 | 1.1 | | | | | | | | 3.3 | 9.0 |
| SSE | | .5 | 1.5 | 1.1 | | | | | | | | 3.1 | 9.5 |
| S | .3 | 1.7 | 3.7 | 4.7 | | .1 | | | | | | 10.6 | 9.8 |
| SSW | .4 | 1.1 | 1.8 | 1.3 | .2 | | | | | | | 6.7 | 9.2 |
| SW | | 1.1 | 1.8 | 1.1 | | .1 | | | | | | 4.0 | 9.1 |
| WSW | .2 | 1.8 | 1.2 | .0 | | | | | | | | 3.8 | 7.3 |
| W | .6 | 2.0 | .9 | .8 | .6 | .1 | | | | | | 5.3 | 8.0 |
| WNW | .7 | 1.8 | 2.0 | 3.4 | .2 | | | | | | | 8.2 | 9.2 |
| NW | .5 | 2.3 | 4.4 | 3.8 | | | | | | | | 11.9 | 8.6 |
| NNW | 1.2 | 2.0 | 5.3 | 4.0 | .6 | | | | | | | 14.1 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.7 | |
| | 9.0 | 22.6 | 23.1 | 29.1 | 2.2 | .4 | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12808 STATION NAME KSC SHUTTLE APT FL YEARS 70-79 FEET 800
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 2.0 | 6.4 | 6.9 | 1.7 | | | | | | | 17.6 | 10.6 |
| NNE | .1 | .8 | 3.8 | .9 | .1 | | | | | | | 5.8 | 8.8 |
| NE | .5 | 2.5 | 1.4 | | | | | | | | | 4.7 | 6.1 |
| ENE | .1 | 2.2 | 1.2 | | | | | | | | | 3.9 | 5.9 |
| E | .0 | .6 | 3.3 | .6 | | | | | | | | 5.1 | 7.7 |
| ESE | .1 | .5 | 2.4 | .6 | | | | | | | | 3.8 | 8.7 |
| SE | .1 | .2 | 2.4 | 1.7 | .1 | | | | | | | 4.5 | 10.0 |
| SSE | .2 | 1.3 | 3.4 | 3.9 | .6 | | | | | | | 9.5 | 10.6 |
| S | .2 | .9 | 2.2 | 3.9 | .5 | | | | | | | 7.8 | 10.9 |
| SSW | .1 | .4 | 1.2 | 1.1 | .6 | | | | | | | 3.3 | 11.5 |
| SW | .2 | .8 | 1.2 | 1.9 | | | | | | | | 4.1 | 9.4 |
| WSW | .1 | 1.4 | 1.7 | 1.1 | .2 | | | | | | | 4.5 | 8.9 |
| W | .4 | 1.3 | 1.5 | 2.4 | .4 | .2 | | | | | | 6.1 | 10.3 |
| WNW | .4 | .8 | 2.6 | 1.3 | .4 | .1 | | | | | | 5.6 | 9.4 |
| NW | .5 | .6 | 1.5 | 1.3 | .2 | | | | | | | 4.1 | 9.4 |
| NNW | .4 | .9 | 2.1 | 4.5 | 1.1 | | | | | | | 9.0 | 11.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 4.7 | 17.4 | 39.0 | 32.2 | 5.8 | .4 | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR CATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12862 STATION KSC SHUTTLE APT FL 70-79 YEARS FEB MONTH
ALL WE THS CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .3 | 2.6 | 6.1 | 7.4 | .9 | | | | | | | 17.7 | 10.2 |
| NNE | .5 | 3.2 | 3.5 | 1.1 | .1 | | | | | | | 8.4 | 7.3 |
| NE | 1.2 | 2.0 | 1.3 | | | | | | | | | 4.5 | 5.3 |
| ENE | .4 | 2.4 | 1.7 | .1 | | | | | | | | 4.5 | 6.0 |
| E | .1 | 3.4 | 2.7 | .2 | | | | | | | | 7.1 | 6.2 |
| ESE | | 2.7 | 3.0 | .5 | | | | | | | | 6.1 | 7.4 |
| SE | .4 | .9 | 5.0 | 1.4 | | | | | | | | 7.7 | 8.3 |
| SSE | .5 | 1.5 | 3.2 | 4.1 | .2 | | | | | | | 9.6 | 9.8 |
| S | .2 | .7 | 1.4 | 1.5 | .1 | .1 | | | | | | 4.1 | 10.2 |
| SSW | .1 | .2 | .6 | .9 | .1 | | | | | | | 2.0 | 10.3 |
| SW | | .6 | 2.5 | 1.3 | .2 | | | | | | | 4.6 | 9.7 |
| WSW | .2 | .5 | .2 | .4 | .4 | | | | | | | 2.8 | 10.0 |
| W | .2 | 1.2 | 1.4 | 3.3 | .2 | .1 | | | | | | 7.0 | 10.4 |
| WNW | .1 | .9 | 1.3 | 1.1 | .5 | | | | | | | 3.9 | 10.2 |
| NW | .2 | .5 | .8 | .0 | | | | | | | | 2.5 | 8.9 |
| NNW | .1 | .9 | 1.8 | 3.5 | .5 | | | | | | | 6.9 | 11.2 |
| VARBL | | | | | | | | | | | | .6 | |
| CALM | | | | | | | | | | | | | |
| | 5.7 | 24.3 | 37.6 | 28.3 | 3.3 | .2 | | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 846

046

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12605 STATION NAME KSC SHUTTLE APT FL YEARS 7-79 FEU
CLASS ALL WEATHER HOURS (L.S.T.) 1800-0000
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.1 | 3.4 | 4.0 | 2.4 | | | | | | | | 14.9 | 5.4 |
| NNE | 2.1 | 1.8 | .4 | .1 | | | | | | | | 4.8 | 4.1 |
| NE | 1.2 | 1.7 | .2 | | | | | | | | | 3.1 | 3.7 |
| ENE | 2.0 | .9 | .6 | | | | | | | | | 3.5 | 4.2 |
| E | 2.0 | 2.2 | .8 | | | | | | | | | 5.1 | 4.5 |
| ESE | 3.2 | 2.0 | .9 | .1 | | | | | | | | 6.3 | 4.2 |
| SE | 1.9 | 2.8 | 2.5 | .1 | | | | | | | | 7.9 | 6.2 |
| SSE | 1.7 | 3.7 | 3.9 | 2.4 | | | | | | | | 12.1 | 7.5 |
| S | .9 | 2.5 | 1.1 | .6 | | | | | | | | 5.1 | 6.0 |
| SSW | .7 | .7 | .4 | .4 | | | | | | | | 2.1 | 5.4 |
| SW | .2 | .4 | .7 | .2 | | | | | | | | 1.5 | 7.4 |
| WSW | .2 | .6 | 1.5 | .4 | .1 | | | | | | | 3.4 | 9.4 |
| W | 1.2 | 1.5 | 2.1 | 1.9 | .4 | | | | | | | 7.1 | 8.4 |
| WNW | .1 | 1.4 | 1.1 | 1.1 | .1 | .1 | | | | | | 3.9 | 9.2 |
| NW | .7 | 1.1 | 1.3 | .6 | | | | | | | | 3.7 | 6.6 |
| NNW | .7 | 3.0 | 3.3 | 1.9 | .2 | | | | | | | 9.1 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.4 | |
| | 23.0 | 30.0 | 25.9 | 13.7 | .8 | .1 | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12402 STATION KSC SHUTTLE APT FL STATION NAME 7.19 YEARS MONTH FF 2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.4 | 3.0 | 2.2 | 1.4 | | | | | | | | 9.3 | 5.9 |
| NNE | 1.3 | 1.4 | .5 | .1 | | | | | | | | 3.3 | 5.1 |
| NE | .6 | .6 | .5 | | | | | | | | | 2.0 | 5.1 |
| ENE | .4 | .1 | .1 | .1 | | | | | | | | 1.3 | 4.1 |
| E | 1.5 | .8 | 1.1 | .2 | | | | | | | | 3.7 | 5.3 |
| ESE | 1.3 | 1.1 | 1.4 | .1 | | | | | | | | 3.9 | 5.2 |
| SE | 1.3 | 2.2 | 1.2 | .5 | .2 | | | | | | | 5.4 | 6.4 |
| SSE | 2.0 | 3.2 | 2.8 | 1.2 | | | | | | | | 9.2 | 6.3 |
| S | 2.4 | 3.1 | 3.3 | 1.3 | | | | | | | | 10.0 | 6.6 |
| SSW | 1.4 | .8 | .7 | .1 | | | | | | | | 3.1 | 4.7 |
| SW | 1.2 | 1.2 | 1.1 | | | | | | | | | 3.4 | 5.2 |
| WSW | .8 | 1.5 | 1.2 | .4 | | | | | | | | 3.9 | 6.1 |
| W | 1.8 | 3.1 | 3.4 | 2.4 | .4 | | | | | | | 11.0 | 7.8 |
| WNW | 1.1 | 2.2 | 1.8 | 1.4 | | | | | | | | 6.5 | 7.3 |
| NW | 1.2 | 2.7 | 2.0 | 1.1 | | | | | | | | 7.0 | 6.4 |
| NNW | 2.6 | 3.0 | 1.7 | 1.3 | | | | | | | | 8.7 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.2 | |
| | 24.7 | 30.0 | 24.8 | 11.7 | .6 | | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

128000 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS FE3 NORTH
ALL REF. THE CLASS ALL HOURS (L.B.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.1 | 1.5 | 1.0 | 1.1 | 1.4 | | | | | | | 11.7 | 8.3 |
| NNE | 1.7 | 1.3 | 1.2 | 1.4 | 1.0 | | | | | | | 3.8 | 6.2 |
| NE | 1.0 | 1.2 | 1.0 | 1.1 | 1.1 | | | | | | | 2.4 | 5.2 |
| ENE | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | | | | | | | 2.7 | 5.4 |
| E | 1.3 | 1.6 | 1.4 | 1.3 | 1.3 | | | | | | | 6.6 | 5.8 |
| ESE | 1.0 | 1.2 | 1.4 | 1.3 | 1.3 | | | | | | | 4.0 | 6.1 |
| SE | 1.9 | 1.2 | 1.4 | 1.7 | 1.1 | | | | | | | 4.7 | 7.2 |
| SSE | 1.0 | 1.0 | 2.4 | 1.0 | 1.2 | | | | | | | 6.8 | 5.4 |
| S | 1.1 | 2.2 | 2.7 | 2.4 | 1.1 | 1.0 | | | | | | 8.2 | 6.0 |
| SSW | 1.0 | 1.0 | 1.0 | 1.6 | 1.1 | | | | | | | 3.7 | 6.8 |
| SW | 1.7 | 1.3 | 1.2 | 1.7 | 1.0 | 1.0 | | | | | | 3.9 | 7.0 |
| WSW | 1.0 | 1.3 | 1.0 | 1.0 | 1.1 | | | | | | | 3.7 | 6.9 |
| W | 1.0 | 2.0 | 1.8 | 1.6 | 1.3 | 1.1 | | | | | | 8.0 | 7.0 |
| WNW | 1.3 | 2.4 | 1.8 | 1.7 | 1.2 | 1.0 | | | | | | 7.4 | 7.7 |
| NW | 1.2 | 3.2 | 3.0 | 1.4 | 1.0 | | | | | | | 9.3 | 7.4 |
| NNW | 1.4 | 3.0 | 2.8 | 2.5 | 1.3 | | | | | | | 10.1 | 8.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.8 | |
| | 17.6 | 24.6 | 28.8 | 18.1 | 1.9 | 1.1 | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 6766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

128.5 STATION KSC SHUTTLE APT FL STATION NAME 7-79 YEARS 1960-1979 1960-1979
CLASS ALL OF THE HOURS (L.T.Y.) 0000-0200
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .4 | 1.8 | 1.0 | .3 | | | | | | | | 5.2 | 6.7 |
| NNE | 1.0 | .5 | .2 | .4 | | | | | | | | 2.2 | 5.7 |
| NE | .4 | .8 | .1 | | | | | | | | | 1.2 | 4.6 |
| ENE | 1.2 | .9 | .4 | | | | | | | | | 2.9 | 4.7 |
| E | 1.4 | 2.0 | 1.4 | .3 | | | | | | | | 5.4 | 5.9 |
| ESE | 1.7 | 2.8 | 1.5 | | | | | | | | | 7.0 | 5.0 |
| SE | 2.4 | 4.9 | 3.0 | .4 | | | | | | | | 10.8 | 5.7 |
| SSE | 2.2 | 3.7 | 2.5 | .4 | | | | | | | | 9.1 | 5.9 |
| S | 2.6 | 4.2 | 2.7 | 1.1 | .1 | .1 | | | | | | 11.7 | 6.6 |
| SSW | 1.9 | 2.0 | 1.7 | .4 | | | | | | | | 6.1 | 5.7 |
| SW | 1.5 | 2.0 | .8 | .4 | | .1 | | | | | | 4.8 | 5.9 |
| WSW | 1.9 | 1.3 | .8 | .4 | | .1 | | | | | | 4.5 | 5.0 |
| W | 1.5 | 2.0 | 2.4 | 1.2 | .1 | | | | | | | 9.1 | 6.8 |
| WNW | .6 | 1.4 | 1.8 | .3 | .1 | | | | | | | 4.3 | 6.9 |
| NW | 1.2 | 2.2 | 1.1 | .6 | | | | | | | | 5.1 | 6.1 |
| NNW | 1.4 | 1.5 | .9 | .3 | | | | | | | | 4.0 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.7 | |
| | 23.7 | 25.9 | 25.6 | 7.6 | .3 | .2 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12868 STATION NAME KSC SHUTTLE APT FL YEARS 76-79 MAX MONTH MAY
CLASS ALL ALL THEH 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.7 | 1.2 | 1.0 | 1.1 | .1 | | | | | | | 5.3 | 7.0 |
| NNE | 1.2 | .5 | .6 | | | | | | | | | 2.4 | 4.6 |
| NE | .3 | .3 | | | | | | | | | | .6 | 3.5 |
| ENE | .6 | 1.0 | .9 | | | | | | | | | 2.5 | 5.3 |
| E | 1.4 | 2.6 | 1.3 | .6 | | | | | | | | 5.5 | 5.7 |
| ESE | 1.6 | 3.7 | .0 | .6 | | | | | | | | 6.6 | 5.0 |
| SE | 1.6 | 3.0 | 1.0 | .2 | | | | | | | | 6.5 | 5.3 |
| SSE | 1.9 | 3.1 | 1.4 | .5 | | | | | | | | 7.0 | 5.4 |
| S | 3.3 | 3.9 | 2.2 | .9 | .2 | .2 | | | | | | 10.7 | 6.3 |
| SSW | 1.8 | 3.0 | 1.9 | 1.0 | .1 | | | | | | | 7.9 | 6.5 |
| SW | 1.4 | 2.0 | .8 | .3 | | | | | | | | 4.5 | 5.0 |
| WSW | 2.0 | 1.8 | .9 | .6 | .1 | .1 | | | | | | 5.4 | 5.8 |
| W | 1.9 | 3.2 | 1.2 | .3 | | | | | | | | 6.7 | 5.1 |
| WNW | 2.6 | 2.7 | .9 | .6 | .1 | | | | | | | 6.7 | 6.8 |
| NW | 2.3 | 3.1 | 2.5 | 1.0 | | | | | | | | 8.8 | 5.9 |
| NNW | 1.1 | 2.3 | .6 | .8 | | | | | | | | 4.7 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.3 | |
| | 27.2 | 37.3 | 18.3 | 8.0 | .6 | .2 | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12HAB KSC SHUTTLE APT FL STATION NAME 7-79 YEARS MAX MONTH 0600-0800
ALL ALL TIME ALL CLASS ALL HOUR (L.M.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.3 | 1.1 | 1.0 | | | | | | | | 5.7 | 6.8 |
| NNE | .6 | .4 | .2 | | | | | | | | | 1.9 | 5.6 |
| NE | .4 | .6 | .1 | | | | | | | | | 1.5 | 3.7 |
| ENE | .5 | 1.0 | .2 | .1 | | | | | | | | 2.0 | 5.6 |
| E | 1.3 | 1.2 | 1.3 | .6 | | | | | | | | 4.5 | 6.4 |
| ESE | 1.4 | 2.7 | 1.6 | .2 | | | | | | | | 6.5 | 5.3 |
| SE | 1.7 | 2.6 | 1.3 | .6 | | | | | | | | 6.2 | 5.6 |
| SSE | .8 | 1.9 | 1.5 | .4 | | | | | | | | 5.0 | 6.7 |
| S | 2.8 | 4.0 | 2.0 | 1.0 | .1 | | | | | | | 10.7 | 6.0 |
| SSW | 1.4 | 1.7 | 2.2 | 1.2 | | | | | | | | 7.0 | 6.8 |
| SW | 1.3 | 2.2 | .9 | .2 | | | | | | | | 5.0 | 5.6 |
| WSW | 1.7 | 1.9 | .4 | | | | | | | | | 4.1 | 4.1 |
| W | 2.5 | 2.4 | 1.4 | .6 | .1 | .1 | | | | | | 7.1 | 5.9 |
| WNW | 1.3 | 1.2 | .9 | .2 | | | | | | | | 3.6 | 5.3 |
| NW | 3.0 | 4.6 | 2.4 | 1.4 | | | | | | | | 11.4 | 6.0 |
| NNW | 1.9 | 2.8 | 2.4 | .5 | | | | | | | | 7.7 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 26.0 | 32.8 | 21.2 | 9.6 | .2 | .1 | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12868 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS MAX MONTH 0300-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .3 | 1.2 | 3.1 | 3.7 | .2 | | | | | | | 8.5 | 10.1 |
| NNE | .2 | 1.0 | 1.5 | 1.0 | | | | | | | | 3.7 | 7.8 |
| NE | .4 | 1.3 | 1.2 | .4 | | | | | | | | 3.3 | 6.9 |
| ENE | .4 | 1.0 | .6 | 1.3 | | | | | | | | 3.3 | 8.4 |
| E | .3 | 1.7 | 3.2 | 1.6 | | | | | | | | 6.9 | 8.1 |
| ESE | .4 | 1.8 | 3.9 | 1.7 | | | | | | | | 7.8 | 8.3 |
| SE | .4 | 1.0 | 3.3 | 1.3 | | | | | | | | 5.9 | 8.4 |
| SSE | .4 | 1.0 | 2.7 | 3.2 | .1 | | | | | | | 7.4 | 9.6 |
| S | .1 | 1.8 | 6.2 | 4.8 | .1 | | | | | | | 13.1 | 9.6 |
| SSW | .3 | .9 | 3.0 | 3.1 | .1 | | | | | | | 7.4 | 10.2 |
| SW | | 1.0 | 2.0 | 1.9 | .3 | | | | | | | 5.3 | 9.9 |
| WSW | | .9 | 2.0 | 1.2 | | | | | | | | 4.1 | 8.8 |
| W | .8 | 1.1 | 1.7 | 1.7 | .2 | | | | | | | 5.5 | 8.9 |
| WNW | .3 | 1.2 | .8 | .6 | | | | | | | | 2.9 | 7.7 |
| NW | .4 | 1.2 | 1.5 | 2.5 | .1 | | | | | | | 5.7 | 9.6 |
| NNW | .4 | 1.7 | 3.1 | 2.3 | .1 | | | | | | | 7.6 | 8.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.5 | |
| | 5.3 | 19.6 | 60.0 | 32.4 | 1.3 | | | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/IAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12806 STATION KSC SHUTTLE APT FL 70-79 YEARS 5A MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .8 | 3.5 | 6.5 | .1 | | | | | | | 10.9 | 11.1 |
| NNE | | 1.8 | 4.3 | 2.2 | | | | | | | | 8.3 | 9.1 |
| NE | | 1.4 | 1.9 | .2 | .1 | | | | | | | 3.7 | 7.6 |
| ENE | .3 | 1.1 | 1.5 | 1.2 | | | | | | | | 4.1 | 8.4 |
| E | .2 | 2.4 | 3.2 | 2.3 | | | | | | | | 8.1 | 8.4 |
| ESE | | .9 | 3.2 | 2.4 | | | | | | | | 6.3 | 9.6 |
| SE | | 1.7 | 4.4 | 3.7 | | | | | | | | 9.8 | 9.5 |
| SSE | .1 | 1.0 | 6.8 | 8.8 | .2 | | | | | | | 16.9 | 10.9 |
| S | .1 | 1.7 | 3.2 | 3.1 | .3 | | | | | | | 8.5 | 9.7 |
| SSW | .2 | .8 | .5 | 1.3 | .3 | | | | | | | 3.1 | 10.9 |
| SW | .1 | .2 | .5 | 2.9 | .2 | .2 | | | | | | 4.2 | 12.9 |
| WSW | | .2 | .8 | 2.6 | .6 | | | | | | | 4.2 | 12.9 |
| W | .1 | 1.1 | 1.3 | 1.5 | 1.0 | | | | | | | 5.2 | 10.8 |
| WNW | | .1 | 1.0 | 1.0 | .2 | | | | | | | 2.3 | 11.5 |
| NW | | .4 | 1.1 | 1.1 | | | | | | | | 2.6 | 9.8 |
| NNW | .1 | .4 | .4 | .9 | | | | | | | | 1.8 | 9.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .2 | |
| | 1.3 | 15.0 | 38.0 | 41.3 | 3.1 | .2 | | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12858 STATION NAME KSC SHUTTLE APT FL YEARS 70-79 MONTH MAR
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .2 | 2.8 | 5.3 | .4 | | | | | | | 8.9 | 11.6 |
| NNE | .2 | 1.1 | 3.9 | 1.0 | .1 | | | | | | | 7.2 | 9.2 |
| NE | .4 | 1.8 | 2.0 | | | | | | | | | 4.8 | 6.6 |
| ENE | .2 | 1.4 | 1.7 | 1.4 | | | | | | | | 4.7 | 8.4 |
| E | .2 | 3.7 | 7.0 | 1.4 | | | | | | | | 12.3 | 7.7 |
| ESE | .3 | 2.5 | 6.8 | 1.8 | | | | | | | | 11.4 | 8.2 |
| SE | .1 | 1.7 | 5.7 | 4.4 | | | | | | | | 11.9 | 9.6 |
| SSE | .1 | .8 | 5.9 | 9.3 | .4 | | | | | | | 16.5 | 11.0 |
| S | | .3 | 1.8 | 1.7 | | | | | | | | 3.9 | 10.1 |
| SSW | | | .3 | .5 | .1 | .1 | | | | | | 1.1 | 12.7 |
| SW | .1 | .1 | .5 | 1.7 | .2 | | | | | | | 2.7 | 12.8 |
| WSW | | .2 | 1.4 | 1.6 | 1.1 | | | | | | | 4.3 | 13.1 |
| W | .1 | .3 | 1.8 | 2.7 | 1.0 | .2 | | | | | | 6.1 | 12.6 |
| WNW | | | .4 | .4 | | | | | | | | .9 | 10.3 |
| NW | | | .8 | .4 | .1 | | | | | | | 1.3 | 10.4 |
| NNW | | .3 | .4 | .4 | | | | | | | | 1.2 | 9.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .8 | |
| | 1.9 | 16.4 | 63.9 | 35.2 | 3.4 | .3 | | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12843
STATION

KSC SHUTTLE APT FL
STATION NAME

7-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 2.3 | 3.6 | 2.1 | .2 | | | | | | | 8.8 | 4.3 |
| NNE | .4 | 2.1 | 1.4 | .5 | | | | | | | | 4.4 | 6.0 |
| NE | 1.5 | 1.5 | .2 | | | | | | | | | 3.4 | 4.0 |
| ENE | 1.1 | 1.7 | .8 | .5 | .1 | | | | | | | 4.2 | 6.2 |
| E | 3.7 | 4.9 | 1.7 | | | | | | | | | 10.3 | 4.4 |
| ESE | 2.6 | 4.6 | 3.7 | .2 | | | | | | | | 11.1 | 5.2 |
| SE | 1.7 | 4.5 | 4.5 | 1.7 | | | | | | | | 12.5 | 6.7 |
| SSE | .6 | 3.6 | 8.3 | 2.1 | .2 | | | | | | | 15.9 | 8.4 |
| S | .4 | 2.8 | 3.4 | .5 | | | | | | | | 7.5 | 6.7 |
| SSW | .2 | .3 | .6 | | | | | | | | | 1.2 | 6.1 |
| SW | | .4 | .6 | .5 | | | | | | | | 1.8 | 9.4 |
| WSW | .2 | .5 | 1.7 | 1.3 | .1 | | | | | | | 4.1 | 10.1 |
| W | .1 | 1.7 | 1.8 | 2.5 | .4 | | | | | | | 6.6 | 9.7 |
| WNW | .2 | .8 | .3 | .5 | | | | | | | | 1.8 | 7.2 |
| NW | | .2 | .4 | | | | | | | | | .6 | 7.3 |
| NNW | .0 | 1.1 | .6 | .1 | | | | | | | | 2.5 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.2 | |
| | 14.8 | 33.1 | 33.9 | 14.2 | 1.1 | | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS

925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12869 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS 1AP NORTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.2 | 1.8 | 2.0 | .5 | .2 | | | | | | | 7.3 | 6.3 |
| NNE | 1.0 | 1.2 | 1.1 | .4 | | | | | | | | 3.7 | 5.9 |
| NE | .8 | 1.4 | .1 | | | | | | | | | 2.3 | 4.1 |
| ENE | 1.1 | 1.2 | | .2 | | | | | | | | 2.7 | 4.4 |
| E | 1.8 | 2.9 | 1.3 | .5 | | | | | | | | 6.6 | 5.4 |
| ESE | 2.0 | 3.9 | 2.4 | .2 | | | | | | | | 9.1 | 5.4 |
| SE | 2.0 | 3.7 | 2.7 | 1.1 | | | | | | | | 10.0 | 5.9 |
| SSE | 2.4 | 4.6 | 3.5 | 1.4 | .1 | | | | | | | 12.0 | 6.5 |
| S | 1.9 | 3.3 | 6.4 | 1.2 | | | | | | | | 12.8 | 7.2 |
| SSW | .4 | 1.4 | .4 | .5 | | | | | | | | 2.8 | 6.3 |
| SW | .2 | 1.9 | .5 | .4 | | | | | | | | 3.0 | 6.0 |
| WSW | .0 | 1.9 | 1.4 | 1.0 | | | | | | | | 5.1 | 7.1 |
| W | .9 | 2.7 | 3.0 | 2.2 | .2 | | | | | | | 9.0 | 8.1 |
| WNW | .6 | .9 | 1.3 | .3 | | | | | | | | 3.1 | 6.6 |
| NW | .4 | .5 | .2 | | | | | | | | | 1.2 | 4.3 |
| NNW | .0 | 1.9 | .4 | .3 | | | | | | | | 3.3 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.0 | |
| | 20.5 | 35.4 | 27.3 | 10.2 | .5 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12868 STATION KSC SHUTTLE APT FL 70-79 YEARS
ALL THE CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 1.3 | 2.5 | 2.7 | .2 | | | | | | | 7.6 | 8.9 |
| NNE | .0 | 1.1 | 1.7 | .8 | .0 | | | | | | | 4.2 | 7.6 |
| NE | .6 | 1.1 | .8 | .1 | .0 | | | | | | | 2.6 | 5.7 |
| ENE | .7 | 1.1 | .8 | .6 | .0 | | | | | | | 3.3 | 5.7 |
| E | 1.3 | 2.7 | 2.6 | .9 | | | | | | | | 7.4 | 6.6 |
| ESE | 1.4 | 3.0 | 3.0 | .9 | | | | | | | | 8.2 | 6.6 |
| SE | 1.3 | 2.9 | 3.3 | 1.7 | | | | | | | | 9.2 | 7.2 |
| SSE | 1.1 | 2.5 | 4.1 | 3.5 | .1 | | | | | | | 11.2 | 8.6 |
| S | 1.5 | 2.8 | 3.7 | 1.8 | .1 | .0 | | | | | | 9.9 | 7.6 |
| SSW | .9 | 1.3 | 1.3 | 1.0 | .1 | .0 | | | | | | 6.6 | 7.7 |
| SW | .0 | 1.3 | .8 | 1.1 | .1 | .0 | | | | | | 3.9 | 8.1 |
| WSW | .8 | 1.1 | 1.2 | 1.1 | .2 | .0 | | | | | | 4.5 | 8.2 |
| W | 1.0 | 1.9 | 2.0 | 1.6 | .4 | .0 | | | | | | 6.9 | 8.3 |
| WNW | .7 | 1.0 | .9 | .5 | .1 | | | | | | | 3.2 | 6.8 |
| NW | .9 | 1.5 | 1.2 | .9 | .0 | | | | | | | 4.6 | 7.0 |
| NNW | .8 | 1.5 | 1.1 | .7 | .0 | | | | | | | 4.1 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.6 | |
| | 15.0 | 28.0 | 31.0 | 19.8 | 1.3 | .1 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 7427

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12803 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS APR MONTH 0000-0200 HOURS (L.S.T.)
ALL WINDS CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .9 | .7 | .4 | .4 | | | | | | | | 2.6 | 6.0 |
| NNE | 1.1 | .2 | | | | | | | | | | 1.3 | 2.8 |
| NE | 1.2 | 1.0 | 1.2 | .1 | | | | | | | | 3.6 | 5.3 |
| ENE | 1.1 | | .9 | .3 | | | | | | | | 2.3 | 6.3 |
| E | 1.9 | 1.9 | 4.1 | 2.0 | | | | | | | | 9.9 | 7.5 |
| ESE | 1.1 | 2.6 | 2.4 | 1.1 | .1 | | | | | | | 8.2 | 6.8 |
| SE | 1.9 | 3.1 | 2.3 | .7 | | | | | | | | 8.0 | 6.1 |
| SSE | 2.0 | 3.7 | 2.7 | .2 | | | | | | | | 8.6 | 5.6 |
| S | 2.0 | 4.0 | 5.9 | 1.4 | | | | | | | | 13.3 | 6.9 |
| SSW | .9 | 2.4 | 1.9 | .1 | | | | | | | | 5.3 | 5.8 |
| SW | 1.3 | 2.3 | .9 | .4 | | | | | | | | 5.0 | 5.3 |
| WSW | 1.2 | 2.4 | 1.1 | .4 | | | | | | | | 5.2 | 5.7 |
| W | 1.6 | 4.4 | 1.9 | .7 | | | | | | | | 8.6 | 5.8 |
| WNW | .4 | 2.1 | .7 | .2 | | | | | | | | 3.4 | 5.7 |
| NW | .6 | 2.0 | 1.2 | .4 | | | | | | | | 4.2 | 6.2 |
| NNW | 1.1 | 1.9 | 1.1 | .3 | | | | | | | | 4.4 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.9 | |
| | 21.0 | 36.8 | 28.8 | 9.3 | .1 | | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12485 KSC SHUTTLE APT F1 70-79 NORTH
STATION NAME YEARS
ALL REF. DATA CLASS 0300-0500
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | .5 | 1.1 | .5 | | | | | | | | 3.2 | 5.2 |
| NNE | .6 | .3 | .2 | | | | | | | | | 1.1 | 4.5 |
| NE | .5 | .2 | .7 | | | | | | | | | 1.4 | 5.1 |
| ENE | 1.2 | 1.6 | 1.2 | .2 | .2 | | | | | | | 4.4 | 6.4 |
| E | 1.6 | 1.7 | 3.1 | 1.1 | | | | | | | | 7.6 | 7.0 |
| ESE | 1.6 | 2.0 | 2.9 | 1.2 | | | | | | | | 7.7 | 7.0 |
| SE | 1.4 | 2.6 | 2.4 | .1 | | | | | | | | 6.6 | 5.6 |
| SSE | 1.1 | 2.6 | 2.1 | .2 | | | | | | | | 6.0 | 5.8 |
| S | 1.7 | 4.7 | 1.9 | .6 | | | | | | | | 7.1 | 5.9 |
| SSW | 2.0 | 4.3 | 2.1 | .6 | | | | | | | | 8.7 | 5.5 |
| SW | 1.9 | 1.9 | .8 | .4 | | | | | | | | 5.0 | 5.0 |
| WSW | 1.7 | 2.0 | 1.2 | .1 | | | | | | | | 5.0 | 5.0 |
| W | 4.3 | 2.9 | 1.6 | .3 | | | | | | | | 10.1 | 4.6 |
| WNW | .7 | 1.8 | 1.2 | .3 | | | | | | | | 4.0 | 6.0 |
| NW | 1.7 | 3.0 | 1.2 | 1.0 | | | | | | | | 6.9 | 5.7 |
| NNW | 2.0 | 2.6 | 1.1 | .4 | | | | | | | | 6.1 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.2 | |
| | 25.1 | 35.6 | 24.9 | 7.0 | .2 | | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12860 STATION NAME KSC SHUTTLE APT FL YEARS 70-79 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0800
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.7 | .8 | 1.3 | 1.1 | .1 | | | | | | | 5.0 | 7.3 |
| NNE | .4 | .8 | .4 | | | | | | | | | 1.7 | 4.7 |
| NE | .4 | .7 | .2 | .1 | | | | | | | | 1.4 | 5.3 |
| ENE | .6 | 1.6 | 1.4 | .1 | .2 | .1 | | | | | | 4.0 | 7.3 |
| E | 1.6 | 1.9 | 2.1 | 2.1 | | | | | | | | 7.7 | 7.6 |
| ESE | 1.4 | 1.9 | 2.4 | 1.6 | | | | | | | | 7.6 | 7.3 |
| SE | .9 | 2.0 | 2.1 | .4 | | | | | | | | 5.4 | 6.7 |
| SSE | .6 | 1.1 | 2.2 | .3 | | | | | | | | 4.2 | 6.9 |
| S | 2.2 | 3.8 | 2.9 | 1.8 | | | | | | | | 10.7 | 6.4 |
| SSW | 1.2 | 2.0 | 2.1 | 1.7 | | | | | | | | 7.0 | 7.4 |
| SW | 1.2 | 1.6 | 1.3 | .3 | .1 | | | | | | | 4.6 | 6.2 |
| WSW | 1.4 | 1.2 | 1.8 | .6 | | | | | | | | 5.0 | 6.2 |
| W | 2.4 | 2.9 | .8 | .2 | | | | | | | | 6.3 | 6.2 |
| WNW | 2.2 | 1.6 | .7 | .2 | | | | | | | | 4.7 | 4.3 |
| NW | 3.2 | 2.7 | 3.0 | 1.0 | | | | | | | | 9.9 | 6.0 |
| NNW | 1.3 | 3.9 | 1.6 | 1.2 | | | | | | | | 8.0 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.9 | |
| | 22.9 | 30.2 | 26.6 | 13.0 | .4 | .1 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12803 STATION NAME KSC SHUTTLE APT FL 70-79 YEARS MONTH APR 0300-1100 HOURS (L.S.T.)
CLASS ALL ALL-TIME
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .3 | 1.4 | 2.7 | 3.4 | .7 | .1 | | | | | | 8.7 | 10.2 |
| NNE | .1 | 1.9 | 2.1 | 1.7 | | | | | | | | 5.8 | 3.7 |
| NE | .1 | 1.9 | 1.0 | .2 | | | | | | | | 4.0 | 7.1 |
| ENE | .1 | 2.2 | 1.1 | 1.0 | .2 | | | | | | | 4.7 | 8.3 |
| E | .6 | 1.6 | 4.8 | 4.3 | | | | | | | | 10.9 | 9.7 |
| ESE | | .7 | 3.7 | 3.2 | | | | | | | | 7.6 | 10.0 |
| SE | | .8 | 1.2 | 2.6 | | | | | | | | 4.6 | 10.1 |
| SSE | | .9 | 2.4 | 4.4 | .1 | | | | | | | 7.9 | 10.9 |
| S | .4 | 1.8 | 4.8 | 3.9 | .3 | | | | | | | 11.2 | 9.6 |
| SSW | .1 | .8 | 1.6 | 2.7 | .8 | | | | | | | 5.4 | 10.5 |
| SW | .2 | .9 | 2.7 | 2.0 | .7 | | | | | | | 6.4 | 10.0 |
| WSW | .4 | 1.8 | 2.1 | 1.2 | .3 | | | | | | | 5.9 | 8.3 |
| W | .4 | 1.6 | 1.0 | .6 | | | | | | | | 3.6 | 6.8 |
| WNW | .4 | 1.1 | 1.7 | .7 | | | | | | | | 3.9 | 7.4 |
| NW | .1 | 1.4 | .7 | 1.2 | | | | | | | | 3.4 | 8.1 |
| NNW | .4 | .9 | 2.1 | 2.1 | | | | | | | | 5.6 | 9.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 3.6 | 21.6 | 36.3 | 35.2 | 2.7 | .1 | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12854 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS MONTH APR 1200-1400 HOURS (LST) ALL REF. TIMES CLASS CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | .3 | 1.4 | 4.0 | .8 | | | | | | | 7.4 | 12.2 |
| NNE | .1 | .9 | 4.2 | 3.0 | | | | | | | | 9.0 | 9.9 |
| NE | .1 | 1.2 | 4.0 | .8 | | | | | | | | 5.1 | 7.8 |
| ENE | .1 | 2.2 | 3.0 | 1.8 | .1 | | | | | | | 8.0 | 8.5 |
| E | .2 | 1.7 | 3.8 | 4.1 | | | | | | | | 12.8 | 9.4 |
| ESE | .2 | .9 | 4.4 | 4.4 | .1 | | | | | | | 10.1 | 10.2 |
| SE | | 1.1 | 4.7 | 4.0 | .2 | | | | | | | 10.8 | 10.4 |
| SSE | .1 | .8 | 3.7 | 6.0 | .7 | | | | | | | 11.8 | 11.2 |
| S | .2 | .3 | 3.1 | 2.0 | 1.1 | | | | | | | 6.8 | 11.5 |
| SSW | .1 | .3 | .0 | 1.2 | .1 | | | | | | | 2.3 | 10.6 |
| SW | | .3 | 1.7 | 1.4 | .7 | | | | | | | 4.6 | 11.0 |
| WSW | | .1 | 1.4 | 1.2 | .4 | | | | | | | 3.2 | 11.0 |
| W | .1 | .2 | .0 | 1.9 | .4 | | | | | | | 3.3 | 11.0 |
| WNW | .2 | .1 | .6 | .7 | .1 | | | | | | | 1.6 | 10.1 |
| NW | | .2 | .6 | .3 | | | | | | | | 1.0 | 9.0 |
| NNW | | .3 | .7 | 1.1 | | | | | | | | 2.1 | 10.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .1 | |
| | 1.9 | 11.1 | 40.9 | 41.3 | 4.7 | | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12800 STATION KSC SEATTLE APT FL STATION NAME 7-79 YEARS APR MONTH 1500-1700 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | .1 | 2.4 | 4.0 | .3 | | | | | | | 6.9 | 11.6 |
| NNE | .1 | .9 | 2.4 | 3.1 | | .1 | | | | | | 7.1 | 10.1 |
| NE | | 1.6 | 2.4 | 1.2 | | | | | | | | 5.2 | 8.2 |
| ENE | .2 | 2.8 | 3.4 | 1.4 | | | | | | | | 7.9 | 7.7 |
| E | .2 | 3.6 | 9.0 | 2.6 | | | | | | | | 15.6 | 8.4 |
| ESE | .1 | 1.9 | 8.3 | 3.1 | | | | | | | | 13.5 | 8.8 |
| SE | .2 | 1.7 | 6.9 | 6.6 | .1 | | | | | | | 15.5 | 10.0 |
| SSE | | .4 | 4.2 | 0.3 | .2 | | | | | | | 11.2 | 11.2 |
| S | | .3 | .8 | 2.3 | .2 | | | | | | | 3.7 | 12.2 |
| SSW | | | .2 | .1 | | | | | | | | .3 | 10.7 |
| SW | | .1 | .4 | 1.3 | .3 | | | | | | | 2.2 | 12.4 |
| WSW | | .6 | 1.1 | 1.8 | .4 | | | | | | | 3.4 | 10.7 |
| W | | .4 | 1.3 | 2.2 | .4 | | | | | | | 4.4 | 11.3 |
| WNW | | .1 | .3 | 1.2 | .3 | | | | | | | 2.0 | 12.9 |
| NW | | .1 | .3 | .1 | | | | | | | | .6 | 9.0 |
| NNW | | .2 | .1 | .1 | | | | | | | | .4 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | .9 | 14.8 | 44.4 | 37.6 | 2.3 | .1 | | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12804 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS APR NORTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | 1.9 | 2.4 | 1.2 | | | | | | | | 6.0 | 7.6 |
| NNE | .6 | 1.8 | 2.4 | .6 | | .2 | | | | | | 5.6 | 7.6 |
| NE | .9 | 1.9 | .8 | .2 | | | | | | | | 3.5 | 5.7 |
| ENE | 1.8 | 2.1 | .6 | .3 | | | | | | | | 5.2 | 5.7 |
| E | 3.0 | 4.0 | 5.6 | 1.0 | | | | | | | | 13.8 | 6.3 |
| ESE | 2.1 | 4.5 | 5.1 | 1.2 | | | | | | | | 12.9 | 6.6 |
| SE | 1.5 | 4.0 | 5.1 | 1.6 | | | | | | | | 12.6 | 6.8 |
| SSE | 1.8 | 4.8 | 5.8 | 4.1 | | | | | | | | 16.5 | 7.8 |
| S | .6 | 1.4 | 2.9 | 1.9 | .1 | | | | | | | 6.9 | 8.6 |
| SSW | | .2 | .3 | .2 | | | | | | | | .8 | 9.1 |
| SW | | .3 | .2 | .4 | | | | | | | | 1.0 | 9.1 |
| WSW | .1 | .7 | 1.6 | .4 | | | | | | | | 3.2 | 8.6 |
| W | .2 | .9 | 1.7 | 1.0 | | | | | | | | 3.8 | 8.6 |
| WNW | .1 | .4 | 1.1 | .4 | .2 | | | | | | | 2.3 | 9.1 |
| NW | .2 | .2 | .1 | | | | | | | | | .6 | 6.2 |
| NNW | .6 | .7 | .4 | | | | | | | | | 1.7 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.7 | |
| | 13.9 | 29.8 | 36.4 | 15.6 | .3 | .2 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12808 STATION KSC SHUTTLE APT FL STATION NAME 7-79 YEARS APR MONTH
ALL W. TIME CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | .7 | .1 | | | | | | | | 2.8 | 4.8 |
| NNE | .4 | 1.3 | .7 | .4 | .2 | | | | | | | 3.6 | 7.8 |
| NE | 1.0 | 1.8 | .9 | .2 | | | | | | | | 4.4 | 9.0 |
| ENE | .4 | .8 | .4 | .4 | | | | | | | | 2.6 | 6.6 |
| E | 2.1 | 2.9 | 4.6 | 1.7 | | | | | | | | 11.4 | 7.1 |
| ESE | 2.1 | 2.9 | 5.1 | 1.1 | | | | | | | | 11.2 | 6.7 |
| SE | 2.1 | 3.1 | 2.3 | .4 | | | | | | | | 8.2 | 5.6 |
| SSE | 1.4 | 5.8 | 4.3 | 2.0 | | | | | | | | 14.1 | 7.2 |
| S | 2.7 | 4.7 | 4.6 | 2.7 | .1 | | | | | | | 14.7 | 6.9 |
| SSW | .8 | .7 | 1.1 | .1 | | | | | | | | 2.7 | 5.8 |
| SW | .8 | .7 | .7 | .4 | | | | | | | | 2.1 | 7.6 |
| WSW | .8 | 1.0 | .9 | .3 | .1 | | | | | | | 2.7 | 7.5 |
| W | .8 | 2.1 | 1.0 | .8 | | | | | | | | 5.1 | 6.9 |
| WNW | .8 | 1.4 | 1.4 | .3 | | | | | | | | 3.3 | 6.6 |
| NW | .8 | .6 | .6 | | | | | | | | | 1.7 | 5.0 |
| NNW | 1.4 | .9 | .8 | .1 | | | | | | | | 3.0 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.4 | |
| | 18.4 | 31.6 | 31.1 | 13.0 | .4 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12808 STATION KMC SHUTTLE APT FL STATION NAME 70-79 YEARS
APL MONTH
ALL WEATHER CLASS
ALL HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .7 | .8 | 1.6 | 1.9 | .2 | .0 | | | | | | 5.3 | 9.1 |
| NNE | .4 | 1.0 | 1.0 | 1.0 | .0 | .0 | | | | | | 4.4 | 8.5 |
| NE | .6 | 1.3 | 1.3 | .4 | | | | | | | | 3.6 | 6.5 |
| ENE | .7 | 1.7 | 1.7 | .8 | .1 | .0 | | | | | | 4.9 | 7.3 |
| E | 1.3 | 2.4 | 2.1 | 2.4 | | | | | | | | 11.2 | 7.9 |
| ESE | 1.2 | 2.2 | 4.3 | 2.2 | .0 | | | | | | | 9.8 | 7.9 |
| SE | 1.1 | 2.3 | 3.4 | 2.1 | .0 | | | | | | | 8.9 | 7.9 |
| SSE | .9 | 2.5 | 3.4 | 3.1 | .1 | | | | | | | 10.0 | 8.5 |
| S | 1.2 | 2.0 | 3.3 | 2.1 | .2 | | | | | | | 9.5 | 7.9 |
| SSW | .6 | 1.3 | 1.2 | .6 | .1 | | | | | | | 4.1 | 7.3 |
| SW | .6 | 1.0 | 1.1 | .6 | .2 | | | | | | | 3.9 | 8.1 |
| WSW | .7 | 1.2 | 1.4 | .8 | .1 | | | | | | | 4.2 | 7.6 |
| W | 1.2 | 2.1 | 1.4 | .9 | .1 | | | | | | | 5.7 | 6.8 |
| WNW | .6 | 1.1 | .9 | .5 | .1 | | | | | | | 3.2 | 7.0 |
| NW | .8 | 1.3 | .9 | .5 | | | | | | | | 3.5 | 6.3 |
| NNW | .9 | 1.4 | 1.0 | .7 | | | | | | | | 3.9 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.8 | |
| | 13.5 | 26.2 | 33.7 | 21.4 | 1.4 | .1 | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 7196

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12868 STATION KSC SHUTTLE APT FL 70-79 YEARS MAY MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.4 | .5 | .5 | .5 | | | | | | | | 2.8 | 6.0 |
| NNE | .8 | .9 | .1 | .2 | | | | | | | | 2.0 | 5.2 |
| NE | .8 | .5 | | | | | | | | | | 1.3 | 3.3 |
| ENE | 1.2 | 1.0 | .3 | .1 | | | | | | | | 2.6 | 4.7 |
| E | 2.2 | 2.2 | 1.8 | 1.2 | | | | | | | | 8.5 | 6.2 |
| ESE | 2.3 | 4.6 | 4.8 | .4 | | | | | | | | 12.2 | 5.9 |
| SE | 2.5 | 4.0 | 2.2 | .1 | | | | | | | | 8.7 | 5.1 |
| SSE | 2.4 | 4.4 | 1.2 | 1.2 | .1 | | | | | | | 9.3 | 6.1 |
| S | 4.7 | 5.6 | 3.0 | .8 | | | | | | | | 14.1 | 5.1 |
| SSW | 1.8 | 3.2 | 1.2 | .2 | .1 | | | | | | | 6.7 | 5.2 |
| SW | 1.5 | 1.2 | .6 | .4 | | | | | | | | 3.9 | 5.4 |
| WSW | 1.9 | 1.7 | .6 | .1 | | | | | | | | 4.4 | 4.7 |
| W | 2.6 | 2.4 | 1.6 | .3 | | | | | | | | 6.2 | 4.6 |
| WNW | 1.4 | 2.2 | 1.0 | .1 | | | | | | | | 4.6 | 4.8 |
| NW | .2 | .9 | .4 | | | | | | | | | 1.5 | 5.3 |
| NNW | .4 | 1.2 | | .2 | | | | | | | | 1.8 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.4 | |
| | 27.8 | 37.8 | 18.8 | 6.0 | .2 | | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12864 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS MAY NORTH
ALL REF. THIS CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.2 | .5 | .5 | .3 | | | | | | | | 2.6 | 5.3 |
| NNE | .4 | .5 | .4 | .1 | | | | | | | | 1.5 | 5.6 |
| NE | 1.4 | .3 | .1 | | | | | | | | | 1.8 | 3.2 |
| ENE | .2 | 1.0 | .2 | | | | | | | | | 1.7 | 4.2 |
| E | 1.8 | 1.5 | 1.7 | 1.2 | | | | | | | | 8.3 | 6.0 |
| ESE | 1.6 | 1.4 | 2.0 | .8 | | | | | | | | 7.8 | 5.9 |
| SE | 3.4 | 3.4 | .8 | | | | | | | | | 7.6 | 3.9 |
| SSE | 2.6 | 3.1 | .9 | .5 | .1 | | | | | | | 7.2 | 5.2 |
| S | 3.1 | 4.1 | 2.3 | 1.4 | .1 | | | | | | | 11.2 | 6.0 |
| SSW | 2.7 | 2.4 | .3 | .1 | | | | | | | | 5.5 | 3.7 |
| SW | 3.7 | 1.7 | 1.2 | .1 | | | | | | | | 6.7 | 4.1 |
| WSW | 2.2 | 2.9 | .5 | .2 | | | | | | | | 5.8 | 4.4 |
| W | 4.2 | 4.1 | .4 | .1 | | | | | | | | 8.8 | 3.9 |
| WNW | 1.1 | 1.3 | 1.0 | | | | | | | | | 3.3 | 4.9 |
| NW | 2.2 | 2.0 | .3 | | | | | | | | | 4.5 | 4.0 |
| NNW | 1.4 | 1.5 | .4 | .2 | | | | | | | | 3.5 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.0 | |
| | 23.7 | 35.9 | 13.1 | 5.1 | .2 | | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12818 STATION KSC SHUTTLE APT FL STATION NAME 70-79 YEARS MAY MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | 1.2 | .9 | .8 | | | | | | | | 4.6 | 5.8 |
| NNE | .6 | .5 | .6 | .5 | | | | | | | | 2.4 | 6.7 |
| NE | .5 | .8 | .2 | .1 | | | | | | | | 1.6 | 4.8 |
| ENE | .4 | 1.1 | 1.3 | | | | | | | | | 3.2 | 5.7 |
| E | 1.9 | 3.1 | 2.9 | 1.6 | | | | | | | | 9.6 | 6.8 |
| ESE | 1.6 | 2.6 | 2.7 | .6 | | | | | | | | 7.5 | 6.4 |
| SE | 2.4 | 1.4 | 1.5 | .1 | | | | | | | | 5.8 | 4.7 |
| SSE | 1.2 | 1.9 | 2.5 | .8 | | | | | | | | 6.5 | 6.7 |
| S | 2.6 | 2.4 | 1.7 | 1.9 | | | | | | | | 9.0 | 6.9 |
| SSW | 1.4 | 2.6 | 2.0 | .4 | | | | | | | | 6.5 | 6.1 |
| SW | 1.2 | 1.7 | 1.5 | .2 | | | | | | | | 4.6 | 5.7 |
| WSW | 1.8 | 2.5 | 2.4 | .3 | | | | | | | | 7.0 | 5.7 |
| W | 2.2 | 4.0 | 2.5 | .1 | | | | | | | | 8.7 | 5.3 |
| WNW | 1.8 | 1.0 | 1.2 | | | | | | | | | 4.0 | 4.6 |
| NW | 1.4 | 2.5 | 1.6 | .3 | | | | | | | | 5.8 | 5.7 |
| NNW | 1.5 | 1.7 | .5 | .2 | | | | | | | | 4.0 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 25.4 | 31.3 | 20.0 | 8.1 | | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12866 STATION NAME KSC SHUTTLE APT FL YEARS 70-79 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.0 | 1.5 | 2.0 | | | | | | | | 4.6 | 9.7 |
| NNE | .1 | .6 | 1.7 | 2.0 | .1 | | | | | | | 4.6 | 10.1 |
| NE | | 1.4 | 1.9 | .2 | | | | | | | | 3.5 | 7.2 |
| ENE | .5 | 1.1 | 2.9 | .6 | | | | | | | | 5.2 | 7.5 |
| E | .4 | 2.5 | 6.2 | 3.6 | | | | | | | | 12.6 | 8.7 |
| ESE | .4 | 1.7 | 4.8 | 1.5 | | | | | | | | 8.5 | 8.2 |
| SE | .8 | 1.3 | 4.1 | 1.0 | | | | | | | | 7.1 | 7.7 |
| SSE | .2 | 1.4 | 3.2 | 3.7 | .1 | | | | | | | 8.6 | 9.8 |
| S | .5 | 2.4 | 4.4 | 2.7 | .1 | | | | | | | 9.0 | 8.8 |
| SSW | .6 | 1.5 | 1.6 | 1.7 | .1 | | | | | | | 5.6 | 8.3 |
| SW | .2 | 1.8 | 3.0 | 1.8 | | | | | | | | 6.9 | 8.5 |
| WSW | .4 | 2.3 | 2.4 | .8 | | | | | | | | 5.8 | 7.1 |
| W | .5 | 2.3 | 2.5 | .5 | .2 | | | | | | | 6.0 | 7.1 |
| WNW | .4 | 1.0 | 2.3 | .2 | | | | | | | | 3.9 | 6.9 |
| NW | .3 | 1.1 | 1.7 | .4 | | | | | | | | 3.5 | 7.2 |
| NNW | .2 | .8 | 1.5 | 1.0 | | | | | | | | 3.4 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 5.8 | 24.0 | 44.8 | 23.7 | .5 | | | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12840 STATION KSC SHUTTLE APT F1 STATION NAME 70-79 YEARS MAY MONTH
ALL - F, T, H, C, CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | .2 | 1.1 | 2.0 | .3 | | | | | | | 3.2 | 11.1 |
| NNE | | .4 | 4.2 | 3.2 | .6 | | | | | | | 7.5 | 10.7 |
| NE | | .9 | 2.3 | .4 | | | | | | | | 3.3 | 6.4 |
| ENE | .1 | 1.6 | 5.6 | 1.3 | | | | | | | | 8.6 | 8.3 |
| E | .2 | 3.7 | 14.2 | 5.8 | .1 | | | | | | | 24.0 | 8.8 |
| ESE | .1 | 1.6 | 8.6 | 3.4 | | | | | | | | 13.8 | 9.1 |
| SE | .2 | 1.2 | 5.3 | 4.1 | | | | | | | | 10.8 | 9.7 |
| SSE | .2 | .8 | 4.2 | 3.7 | | | | | | | | 8.8 | 9.9 |
| S | .1 | .6 | 1.8 | 1.4 | .1 | | | | | | | 4.1 | 9.7 |
| SSW | | .3 | 1.1 | .6 | | | | | | | | 2.0 | 9.2 |
| SW | | .3 | 1.8 | 1.1 | .1 | | | | | | | 3.1 | 9.7 |
| WSW | | .4 | 1.7 | 1.2 | | | | | | | | 3.3 | 9.7 |
| W | .1 | .6 | .8 | .8 | .1 | | | | | | | 2.4 | 9.4 |
| WNW | .1 | .3 | .4 | .3 | | | | | | | | 1.2 | 8.4 |
| NW | | .3 | .4 | .3 | | | | | | | | 1.1 | 8.9 |
| NNW | | .3 | .1 | .6 | | | | | | | | 1.3 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | 1.3 | 14.0 | 52.6 | 20.3 | 1.4 | | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12848 STATION KSC SHUTTLE APT FL 76-79 YEARS MAY MONTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .2 | .1 | .4 | 1.8 | .3 | | | | | | | 2.9 | 12.2 |
| NNE | .1 | .4 | 2.4 | 1.4 | .2 | | | | | | | 5.1 | 10.4 |
| NE | .1 | .8 | 2.9 | .5 | .1 | | | | | | | 4.4 | 8.1 |
| ENE | .2 | 1.3 | 4.7 | 1.3 | | | | | | | | 7.5 | 8.6 |
| E | .3 | 3.0 | 16.5 | 5.2 | | | | | | | | 24.9 | 8.9 |
| ESE | .1 | 1.8 | 11.2 | 5.3 | | | | | | | | 18.4 | 9.2 |
| SE | .1 | 1.8 | 6.1 | 4.6 | .1 | | | | | | | 12.8 | 9.6 |
| SSE | .2 | .5 | 3.8 | 4.5 | | | | | | | | 9.0 | 10.5 |
| S | .3 | .5 | 1.5 | 2.2 | .2 | | | | | | | 6.7 | 10.2 |
| SSW | | .5 | .6 | | | | | | | | | 1.3 | 6.5 |
| SW | | .4 | .3 | .2 | | | | | | | | 1.0 | 7.6 |
| WSW | .1 | .3 | .4 | .9 | | | | | | | | 1.7 | 9.9 |
| W | | .2 | .5 | 1.6 | | | | | | | | 2.4 | 11.8 |
| WNW | .3 | .1 | .2 | .6 | .2 | | | | | | | 1.5 | 10.5 |
| NW | | | .3 | .1 | | | | | | | | .4 | 9.3 |
| NNW | .1 | .3 | .6 | .1 | | | | | | | | 1.2 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .8 | |
| | 2.3 | 12.3 | 52.7 | 30.9 | 1.2 | | | | | | | 100.0 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12865 STATION KSC SHUTTLE APT FL 70-79 YEARS MAY MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.T.V.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .5 | 1.0 | 1.4 | | | | | | | | 3.3 | 6.9 |
| NNE | .4 | .9 | 1.8 | 1.1 | .1 | | | | | | | 4.3 | 8.1 |
| NE | 1.0 | 1.3 | .6 | | | | | | | | | 2.9 | 4.5 |
| ENE | 1.1 | 1.7 | 1.4 | .3 | | | | | | | | 5.1 | 5.8 |
| E | 2.6 | 8.4 | 6.9 | 1.1 | | | | | | | | 19.0 | 6.1 |
| ESE | 2.2 | 5.1 | 7.1 | 1.4 | | | | | | | | 15.6 | 6.6 |
| SE | 2.6 | 5.7 | 6.4 | 1.1 | .2 | | | | | | | 16.0 | 6.6 |
| SSE | 1.3 | 2.6 | 5.6 | 2.6 | .1 | | | | | | | 12.4 | 8.3 |
| S | .6 | 1.6 | 4.7 | 2.4 | | | | | | | | 7.3 | 8.7 |
| SSW | .4 | 1.0 | 1.0 | .3 | .1 | | | | | | | 2.8 | 7.5 |
| SW | .3 | .2 | .1 | | | .1 | | | | | | .8 | 7.0 |
| WSW | .1 | .6 | .1 | .3 | | | | | | | | 1.4 | 7.8 |
| W | .2 | .2 | 1.4 | .9 | | | | | | | | 2.7 | 8.4 |
| WNW | .4 | .1 | .5 | .2 | | | | | | | | 1.3 | 6.9 |
| NW | | | .3 | .1 | | | | | | | | .4 | 10.0 |
| NNW | .2 | .5 | .3 | | | | | | | | | 1.1 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.6 | |
| | 14.0 | 20.5 | 27.8 | 13.4 | .5 | .1 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12860 STATION KSC SCOTTLE APT FL 70-79 YEARS MAY MONTH
ALL WE THES CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .8 | .4 | | .2 | .1 | | | | | | | 2.2 | 7.8 |
| NNE | .4 | 1.0 | .0 | .2 | | | | | | | | 2.6 | 7.0 |
| NE | .0 | 1.1 | .2 | | | | | | | | | 1.9 | 6.0 |
| ENE | 1.7 | 1.2 | .9 | | | | | | | | | 3.8 | 4.7 |
| E | 2.7 | 4.6 | 3.3 | .9 | | | | | | | | 11.5 | 5.3 |
| ESE | 2.7 | 3.9 | 5.5 | .6 | | | | | | | | 14.8 | 6.0 |
| SE | 3.3 | 5.4 | 2.5 | .6 | | | | | | | | 12.0 | 5.3 |
| SSE | 2.7 | 5.0 | 3.7 | .6 | .1 | | | | | | | 12.1 | 5.9 |
| S | 3.0 | 4.7 | 4.3 | 1.5 | | | | | | | | 13.6 | 6.2 |
| SSW | .0 | 2.2 | 1.3 | .2 | | | | | | | | 4.3 | 5.9 |
| SW | .8 | .9 | 1.0 | | | | | | | | | 2.6 | 5.3 |
| WSW | .9 | .5 | .8 | .2 | | | | | | | | 2.4 | 5.0 |
| W | 1.0 | 2.0 | .9 | .3 | | | | | | | | 4.2 | 5.7 |
| WNW | .4 | 1.0 | .5 | | | | | | | | | 1.9 | 5.1 |
| NW | .3 | .8 | .2 | | | | | | | | | 1.3 | 6.3 |
| NNW | .9 | .3 | .2 | .1 | | | | | | | | 1.5 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.3 | |
| | 23.0 | 37.0 | 25.9 | 6.6 | .2 | | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12860 STATION KSC SEATTLE APT FL 74-79 YEARS DAY MONTH
ALL REF. THE CLASS ALL DAYS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .7 | .6 | .7 | 1.2 | .1 | | | | | | | 3.4 | 8.4 |
| NNE | .4 | .7 | 1.4 | 1.2 | .1 | | | | | | | 3.8 | 8.9 |
| NE | .6 | .9 | 1.1 | .2 | .0 | | | | | | | 2.7 | 6.2 |
| ENE | .6 | 1.2 | 2.2 | .5 | | | | | | | | 4.7 | 6.9 |
| E | 1.3 | 4.0 | 6.7 | 2.3 | .0 | | | | | | | 14.8 | 7.5 |
| ESE | 1.4 | 3.3 | 5.9 | 1.7 | | | | | | | | 12.3 | 7.4 |
| SE | 2.0 | 3.0 | 3.6 | 1.3 | .0 | | | | | | | 10.1 | 6.8 |
| SSE | 1.4 | 2.5 | 3.1 | 2.2 | .1 | | | | | | | 9.2 | 7.4 |
| S | 1.9 | 2.8 | 2.6 | 1.4 | .1 | | | | | | | 9.1 | 7.1 |
| SSW | 1.6 | 1.7 | 1.2 | .5 | .0 | | | | | | | 4.3 | 6.2 |
| SW | 1.0 | 1.0 | 1.2 | .5 | .0 | .9 | | | | | | 3.7 | 6.4 |
| WSW | .9 | 1.4 | 1.1 | .5 | | | | | | | | 4.0 | 6.3 |
| W | 1.3 | 2.0 | 1.2 | .6 | .0 | | | | | | | 5.2 | 6.0 |
| WNW | .8 | .9 | .9 | .2 | .0 | | | | | | | 2.7 | 5.9 |
| NW | .6 | .9 | .7 | .2 | | | | | | | | 2.3 | 5.4 |
| NNW | .6 | .9 | .5 | .3 | | | | | | | | 2.2 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.5 | |
| | 16.7 | 27.8 | 34.0 | 15.5 | .5 | .9 | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAF/ATC
AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12806 STATION KSC SHUTTLE APT FL STATION NAME 63-78 YEARS 10 MONTHS
ALL W.F. TIME CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .1 | | | | | | | | | | 1.0 | 2.0 |
| NNE | .2 | .4 | | | | | | | | | | .8 | 3.4 |
| NE | .2 | .2 | | | | | | | | | | .4 | 4.0 |
| ENE | .0 | .8 | | | | | | | | | | 1.6 | 3.0 |
| E | 2.4 | 3.2 | 2.0 | 1.0 | .1 | | | | | | | 8.7 | 6.2 |
| ESE | 2.1 | 3.7 | 1.7 | .4 | .2 | | | | | | | 8.1 | 5.7 |
| SE | 2.4 | 2.0 | .7 | | .1 | | | | | | | 5.7 | 6.2 |
| SSE | 3.2 | 3.7 | 1.7 | .1 | | | | | | | | 8.7 | 6.7 |
| S | 3.4 | 5.4 | 2.3 | .7 | | | | | | | | 12.6 | 5.2 |
| SSW | 3.3 | 4.3 | .7 | .4 | | | | | | | | 8.8 | 6.5 |
| SW | 3.4 | 3.9 | 1.4 | 1.2 | | | | | | | | 10.0 | 5.4 |
| WSW | 3.0 | 3.7 | 1.2 | .1 | | | | | | | | 8.0 | 6.5 |
| W | 3.0 | 3.1 | .9 | | | | | | | | | 7.0 | 6.2 |
| WNW | 1.3 | .6 | | | | | | | | | | 1.9 | 3.2 |
| NW | .3 | .3 | | .1 | | | | | | | | 1.3 | 3.6 |
| NNW | 1.2 | | | | | | | | | | | 1.0 | 2.4 |
| VARIABLE | | | | | | | | | | | | 14.6 | |
| TOTAL | | | | | | | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12800 STATION KSC SHUTTLE APT FL 30-78 YEARS MONTH 10
ALL WINDS CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | .3 | | | | | | | | | | 1.8 | 2.5 |
| NNE | .4 | .9 | | .1 | | | | | | | | 1.9 | 4.4 |
| NE | .4 | .7 | .1 | | | | | | | | | 1.2 | 4.3 |
| ENE | .3 | .3 | .1 | | | | | | | | | .8 | 4.7 |
| E | 2.1 | 4.7 | 1.7 | 1.6 | | .1 | | | | | | 7.6 | 6.1 |
| ESE | 1.6 | 1.7 | .8 | .6 | .2 | | | | | | | 4.8 | 6.3 |
| SE | 2.0 | 1.3 | .8 | .3 | | | | | | | | 4.0 | 4.3 |
| SSE | 1.7 | 1.3 | .8 | .1 | | | | | | | | 3.9 | 4.5 |
| S | 2.5 | 3.4 | .7 | .8 | | | | | | | | 7.6 | 4.9 |
| SSW | 4.7 | 5.6 | .7 | .6 | | | | | | | | 11.4 | 4.3 |
| SW | 2.8 | 2.7 | 1.6 | .8 | | | | | | | | 7.8 | 5.5 |
| WSW | 3.7 | 4.0 | 1.3 | .1 | | | | | | | | 9.1 | 4.4 |
| W | 4.8 | 5.2 | .4 | | | | | | | | | 10.4 | 3.7 |
| WNW | 2.3 | .8 | | | | | | | | | | 3.1 | 2.8 |
| NW | 1.4 | .9 | | | | | | | | | | 2.3 | 3.4 |
| NNW | 2.2 | .4 | | | | | | | | | | 2.7 | 2.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.4 | |
| | 35.1 | 32.2 | 8.6 | 4.3 | .2 | .1 | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

128000 KAC SHUTTLE APT FL 69-78
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0000-0800 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.4 | 1.0 | .4 | | | | | | | | | 3.9 | 3.7 |
| NNE | .1 | .6 | .6 | .2 | | | | | | | | 1.4 | 6.9 |
| NE | 1.2 | .8 | .7 | | | | | | | | | 2.7 | 4.5 |
| ENE | 1.0 | .8 | 1.3 | .1 | | | | | | | | 3.2 | 5.6 |
| E | 1.4 | 1.8 | 2.2 | 1.3 | .1 | | | | | | | 7.3 | 6.9 |
| ESE | 2.0 | 1.8 | 1.0 | .4 | .1 | | | | | | | 5.9 | 5.4 |
| SE | 1.2 | .7 | .2 | .4 | .1 | | | | | | | 2.7 | 6.0 |
| SSE | 1.0 | 1.6 | .4 | .1 | | | | | | | | 3.0 | 4.8 |
| S | 1.4 | 1.9 | 2.0 | .4 | | | .1 | | | | | 6.9 | 6.3 |
| SSW | 2.0 | 2.4 | .9 | .7 | | .1 | | | | | | 6.1 | 5.6 |
| SW | 2.4 | 2.8 | 2.7 | .6 | .1 | | | | | | | 8.6 | 6.0 |
| WSW | 2.2 | 5.0 | 3.1 | .3 | | | | | | | | 10.7 | 5.6 |
| W | 4.2 | 4.4 | 1.7 | .2 | | | | | | | | 10.6 | 4.5 |
| WNW | 1.9 | 1.4 | .7 | .1 | | | | | | | | 4.1 | 4.3 |
| NW | 1.9 | 1.9 | .3 | | | | | | | | | 4.1 | 3.9 |
| NNW | 1.7 | 1.0 | | | | | | | | | | 2.7 | 3.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.2 | |
| | 24.2 | 30.8 | 18.1 | 5.0 | .4 | .1 | .1 | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 128th KSC SHUTTLE APT FL STATION NAME 69-78 YEARS 11 MONTH 11
CLASS ALL WEATHER HOURS (L.T.T.) 0900-1100
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | 1.0 | .4 | .5 | | | | | | | | 2.1 | 6.2 |
| NNE | .6 | 1.6 | 2.6 | | | | | | | | | 6.9 | 6.7 |
| NE | .4 | 2.9 | 2.6 | .6 | | | | | | | | 6.7 | 6.8 |
| ENE | .2 | 2.4 | 3.1 | .7 | | | | | | | | 6.4 | 7.3 |
| E | 1.1 | 4.2 | 3.7 | 2.1 | .2 | | | | | | | 11.3 | 7.7 |
| ESE | 1.0 | 2.4 | 2.6 | 1.7 | | | | | | | | 7.9 | 7.7 |
| SE | .2 | 2.3 | 1.0 | .3 | .3 | | | | | | | 6.3 | 7.3 |
| SSE | .1 | 2.0 | 2.8 | .6 | | | | | | | | 5.4 | 7.5 |
| S | .4 | 2.6 | 2.7 | .4 | .1 | | | | | | | 8.1 | 7.2 |
| SSW | .4 | 1.3 | 2.0 | .7 | .1 | .1 | | | | | | 6.7 | 8.3 |
| SW | .2 | 2.0 | 2.0 | 1.6 | .1 | | | | | | | 6.0 | 7.9 |
| WSW | 1.4 | 3.6 | 2.9 | 1.6 | .1 | | | | | | | 9.6 | 7.2 |
| W | 1.7 | 4.8 | 4.1 | .4 | | | | | | | | 10.4 | 6.2 |
| WNW | 1.0 | 1.6 | 1.2 | .1 | | | | | | | | 3.9 | 5.1 |
| NW | .7 | 2.0 | 1.1 | | | | | | | | | 3.8 | 5.4 |
| NNW | .6 | 1.0 | .6 | .1 | | | | | | | | 2.2 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.2 | |
| | 11.2 | 27.7 | 35.8 | 12.0 | 1.0 | .1 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12867 STATION KSC SHUTTLE APT FL 62-78 YEARS MONTH NORTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .4 | .0 | .4 | | | | | | | | 1.4 | 8.7 |
| NNE | .2 | 1.2 | 3.0 | 1.0 | | | | | | | | 5.4 | 8.0 |
| NE | .1 | 1.6 | 4.9 | 1.2 | | | | | | | | 7.8 | 8.3 |
| ENE | .1 | 2.7 | 2.9 | 1.7 | | | | | | | | 10.3 | 8.1 |
| E | .7 | 5.4 | 13.4 | 3.6 | | | | | | | | 23.3 | 8.4 |
| ESE | .3 | 2.7 | 6.7 | 2.6 | | | | | | | | 14.4 | 8.5 |
| SE | .2 | 1.3 | 4.4 | 2.0 | .2 | | | | | | | 8.2 | 8.8 |
| SSE | .3 | 2.1 | 4.1 | 1.4 | | | | | | | | 8.0 | 8.1 |
| S | .0 | 1.0 | 2.1 | .9 | .1 | | | | | | | 4.7 | 7.8 |
| SSW | | .6 | .7 | .9 | | | | | | | | 2.1 | 9.9 |
| SW | | .8 | 1.6 | .7 | .3 | | | | | | | 3.3 | 9.4 |
| WSW | .2 | .8 | 1.8 | 1.4 | | | | | | | | 4.2 | 9.2 |
| W | .4 | .9 | 1.2 | .9 | | | | | | | | 3.4 | 8.0 |
| WNW | .2 | .6 | .7 | .2 | | | | | | | | 1.7 | 7.1 |
| NW | .2 | | .2 | | | | | | | | | .4 | 5.5 |
| NNW | .1 | .2 | .1 | | | | | | | | | .4 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 3.8 | 22.2 | 53.3 | 19.3 | .7 | | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 128770 KSC SHUTTLE APT FL STATION NAME 64-78 YEARS 100 MONTHS 1500-1700 HOUR (L.V.T.)
CLASS ALL - E THE
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .4 | .3 | .2 | .3 | | | | | | | | 1.2 | 6.4 |
| NNE | .4 | .9 | 1.6 | 1.0 | | | | | | | | 3.9 | 8.0 |
| NE | | 1.0 | 2.0 | .7 | | | | | | | | 4.6 | 8.0 |
| ENE | .6 | 2.2 | 4.4 | 1.0 | | | | | | | | 7.9 | 7.9 |
| E | .7 | 3.7 | 12.4 | 4.2 | .1 | | | | | | | 21.1 | 8.4 |
| ESE | .5 | 2.9 | 11.9 | 2.9 | | | | | | | | 18.6 | 8.2 |
| SE | .9 | 1.4 | 8.3 | 3.1 | | | | | | | | 13.8 | 8.6 |
| SSE | .6 | 1.8 | 4.0 | 2.7 | | | | | | | | 9.2 | 8.6 |
| S | .8 | 1.2 | 1.7 | 1.6 | | | | | | | | 5.4 | 8.2 |
| SSW | .4 | .9 | .3 | .7 | | | | | | | | 2.3 | 7.1 |
| SW | .2 | .9 | 1.3 | .6 | .2 | | | | | | | 3.3 | 8.9 |
| WSW | .1 | 1.0 | .8 | 1.4 | | | | | | | | 3.3 | 9.6 |
| W | .1 | .7 | .8 | .3 | | | | | | | | 1.9 | 7.5 |
| WNW | | .3 | .2 | .3 | | | | | | | | .9 | 8.0 |
| NW | | .1 | .2 | .1 | | | | | | | | .4 | 7.8 |
| NNW | .2 | .2 | .3 | .2 | | | | | | | | 1.0 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 6.1 | 19.6 | 51.4 | 21.5 | .4 | | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12808 STATION NAME KSC SHUTTLE APT FL YEARS 69-78 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .4 | .4 | .2 | | | | | | | | 1.9 | 5.7 |
| NNE | .2 | 1.7 | .3 | | | | | | | | | 2.2 | 5.1 |
| NE | 1.0 | 1.7 | 1.0 | | | | | | | | | 3.7 | 5.0 |
| ENE | 1.2 | 1.8 | 1.6 | | | | | | | | | 4.6 | 5.4 |
| E | 2.8 | 3.2 | 5.0 | 2.0 | .1 | .1 | | | | | | 13.2 | 7.2 |
| ESE | 2.3 | 5.8 | 5.4 | .2 | .1 | | | | | | | 13.9 | 6.1 |
| SE | 1.4 | 5.9 | 4.1 | .4 | | | | | | | | 11.9 | 6.1 |
| SSE | 1.4 | 5.7 | 5.2 | 1.4 | | | | | | | | 14.2 | 6.6 |
| S | 2.4 | 3.0 | 4.6 | 1.0 | | | | | | | | 11.0 | 6.4 |
| SSW | 1.0 | 2.1 | 1.6 | .8 | | | | | | | | 5.4 | 6.4 |
| SW | 1.1 | 1.0 | 2.2 | .7 | .1 | | | | | | | 5.1 | 7.4 |
| WSW | .4 | .7 | .9 | .6 | | | | | | | | 2.6 | 7.0 |
| W | .7 | .8 | .8 | .1 | | | | | | | | 2.3 | 5.7 |
| WNW | .3 | .2 | .1 | | | | | | | | | .7 | 4.0 |
| NW | .4 | .1 | .3 | .1 | | .1 | | | | | | 1.1 | 7.2 |
| NNW | .1 | .3 | .1 | .1 | | | | | | | | .7 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.6 | |
| | 18.2 | 36.3 | 33.7 | 7.7 | .3 | .2 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/FAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12800 STATION KSC SHUTTLE APT FL 65-78 YEARS 100 NORTH
ALL W/ THE CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | .0 | .1 | | | | | | | | | 1.7 | 3.5 |
| NNE | .0 | .2 | | | | | | | | | | .8 | 2.6 |
| NE | .1 | .7 | .2 | | | | | | | | | 1.0 | 5.0 |
| ENE | 1.2 | 1.6 | .6 | | | | | | | | | 3.3 | 4.5 |
| E | 1.4 | 3.6 | 4.1 | 1.6 | .2 | | | | | | | 10.3 | 7.0 |
| ESE | 3.4 | 5.0 | 2.0 | .1 | | | | | | | | 10.9 | 4.7 |
| SE | 2.4 | 4.7 | 1.7 | .1 | | | | | | | | 9.2 | 4.9 |
| SSE | 3.0 | 3.8 | 2.4 | .2 | | | | | | | | 9.4 | 5.0 |
| S | 4.2 | 5.6 | 3.0 | .4 | | | | | | | | 13.2 | 5.1 |
| SSW | 2.4 | 3.0 | 1.4 | .3 | | | | | | | | 7.2 | 5.1 |
| SW | 2.2 | 2.4 | 1.4 | .4 | | | | | | | | 7.0 | 5.6 |
| WSW | 1.7 | 1.8 | .9 | | | | | | | | | 4.3 | 4.4 |
| W | 1.4 | 2.0 | .8 | | | | | | | | | 4.2 | 4.4 |
| WNW | 1.0 | .8 | | | | | | | | | | 1.8 | 3.3 |
| NW | .3 | .2 | .1 | | | | | | | | | .7 | 4.2 |
| NNW | .7 | .2 | | .1 | | | | | | | | 1.0 | 3.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.9 | |
| | 27.9 | 36.0 | 19.2 | 2.0 | .2 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12808 STATION KSC SHUTTLE APT FL 53-78 YEARS SUM MONTHS ALL HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .4 | .5 | .3 | .2 | | | | | | | | 1.9 | 4.6 |
| NNE | .4 | .9 | 1.0 | .5 | | | | | | | | 2.7 | 6.7 |
| NE | .4 | 1.2 | 1.6 | .3 | | | | | | | | 3.3 | 6.7 |
| ENE | .0 | 1.6 | 2.1 | .4 | | | | | | | | 4.8 | 6.8 |
| E | 1.6 | 3.5 | 5.6 | 2.1 | .1 | .6 | | | | | | 12.9 | 7.6 |
| ESE | 1.3 | 3.2 | 4.3 | 1.1 | .1 | | | | | | | 10.6 | 6.9 |
| SE | 1.5 | 2.5 | 2.0 | .0 | .1 | | | | | | | 7.5 | 6.7 |
| SSE | 1.5 | 2.7 | 2.7 | .6 | | | | | | | | 7.7 | 6.5 |
| S | 2.1 | 3.1 | 2.5 | .4 | .0 | | .0 | | | | | 8.7 | 6.1 |
| SSW | 1.3 | 2.5 | 1.0 | .6 | .0 | .0 | | | | | | 6.0 | 5.7 |
| SW | 1.6 | 2.1 | 1.8 | .6 | .1 | | | | | | | 6.6 | 6.5 |
| WSW | 1.6 | 2.6 | 1.6 | .7 | .0 | | | | | | | 6.5 | 6.0 |
| W | 2.0 | 2.7 | 1.2 | .3 | | | | | | | | 6.3 | 5.0 |
| WNW | 1.0 | .8 | .4 | .1 | | | | | | | | 2.2 | 4.6 |
| NW | .7 | .7 | .3 | .0 | | .0 | | | | | | 1.8 | 4.6 |
| NNW | .8 | .4 | .1 | .1 | | | | | | | | 1.5 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 20.5 | 31.0 | 29.1 | 9.6 | .5 | .1 | .0 | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12806 STATION KSC SHUTTLE APT FL STATION NAME 69-78 YEARS JUL MONTH 0000-0200 HOURS (L.S.T.)
ALL W E THE CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.4 | .2 | .1 | | | | | | | | | 1.5 | 3.0 |
| NNE | .3 | .1 | | | | | | | | | | .4 | 2.3 |
| NE | .3 | .1 | | | | | | | | | | .4 | 2.5 |
| ENE | .6 | .4 | .6 | | | | | | | | | 1.8 | 5.3 |
| E | 1.9 | 2.5 | 1.1 | .1 | | | | | | | | 5.6 | 4.6 |
| ESE | 2.6 | 3.2 | 1.0 | .1 | | | | | | | | 6.5 | 4.5 |
| SE | 1.1 | 2.2 | .9 | .1 | | | | | | | | 4.8 | 4.4 |
| SSE | 3.2 | 3.4 | 1.0 | | | | | | | | | 7.6 | 4.2 |
| S | 4.5 | 5.8 | 2.5 | | | | | | | | | 16.8 | 4.7 |
| SSW | 5.5 | 7.5 | 1.0 | | | | | | | | | 14.0 | 4.2 |
| SW | 4.5 | 2.7 | .9 | | | | | | | | | 8.1 | 3.9 |
| WSW | 2.2 | 2.6 | .9 | | | | | | | | | 5.6 | 4.2 |
| W | 1.9 | 1.7 | .6 | | | | | | | | | 5.3 | 4.4 |
| WNW | 1.0 | .5 | | | | | | | | | | 1.5 | 3.1 |
| NW | 1.4 | .2 | | | | | | | | | | 1.4 | 2.7 |
| NNW | .8 | .2 | | | | | | | | | | .9 | 2.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.8 | |
| | 72.9 | 38.5 | 10.4 | .3 | | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12809 STATION KSC SHUTTLE APT FL 69-78 YEARS JUL MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | .2 | | | | | | | | | | 1.2 | 2.5 |
| NNE | 1.0 | .2 | | | | | | | | | | 1.2 | 3.0 |
| NE | .4 | .1 | | .1 | | | | | | | | .6 | 4.7 |
| ENE | .4 | 1.0 | .8 | | | | | | | | | 2.2 | 5.4 |
| E | 2.0 | 2.6 | 1.2 | .1 | | | | | | | | 5.9 | 4.7 |
| ESE | 1.5 | 1.6 | .5 | | | | | | | | | 3.7 | 6.1 |
| SE | 2.7 | 1.2 | .2 | .2 | | | | | | | | 4.3 | 3.7 |
| SSE | 1.4 | 2.5 | .5 | | | | | | | | | 4.4 | 4.2 |
| S | 6.0 | 6.6 | .5 | | | | | | | | | 13.1 | 3.7 |
| SSW | 6.9 | 8.1 | .8 | | | | | | | | | 15.7 | 3.9 |
| SW | 3.5 | 3.1 | .3 | | | | | | | | | 7.3 | 3.5 |
| WSW | 3.0 | 2.5 | .5 | | | | | | | | | 6.0 | 3.9 |
| W | 3.0 | 3.7 | .2 | | | | | | | | | 6.9 | 4.0 |
| WNW | .6 | .4 | | | | | | | | | | 1.1 | 3.0 |
| NW | .6 | .3 | | | | | | | | | | 1.0 | 2.8 |
| NNW | 1.4 | .3 | | | | | | | | | | 1.7 | 2.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.8 | |
| | 35.9 | 34.3 | 5.6 | .4 | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12840 STATION KSC SHUTTLE APT F1 STATION NAME 6-72 YEARS 100 MONTHS 0600-1800 HOURS (L.S.T.)
ALL OF THEM CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.3 | .4 | .2 | .1 | | | | | | | | 2.0 | 3.9 |
| NNE | 1.4 | .4 | | | | | | | | | | 1.8 | 2.7 |
| NE | .3 | .4 | .3 | | | | | | | | | 1.1 | 5.4 |
| ENE | .3 | .6 | 1.1 | .1 | | | | | | | | 2.2 | 6.3 |
| E | 1.3 | 3.2 | 1.3 | .3 | | | | | | | | 5.8 | 5.4 |
| ESE | 1.0 | 2.5 | 1.0 | .1 | | | | | | | | 5.2 | 5.0 |
| SE | 1.0 | .9 | .8 | | | | | | | | | 2.9 | 4.4 |
| SSE | 1.8 | 1.3 | .6 | | | | | | | | | 3.8 | 4.1 |
| S | 4.5 | 5.5 | 1.2 | | | | | | | | | 11.9 | 4.4 |
| SSW | 4.5 | 4.9 | 1.1 | | | | | | | | | 10.5 | 3.9 |
| SW | 2.5 | 4.8 | 1.4 | .1 | | | | | | | | 8.8 | 4.6 |
| WSW | 2.9 | 2.8 | 1.7 | .1 | | | | | | | | 7.5 | 4.8 |
| W | 3.1 | 4.4 | 1.6 | | | | | | | | | 9.1 | 4.6 |
| WNW | 1.0 | 1.2 | .3 | .1 | | | | | | | | 2.6 | 4.3 |
| NW | .8 | .6 | .2 | | | | | | | | | 1.6 | 3.9 |
| NNW | 1.4 | .4 | .1 | | | | | | | | | 1.8 | 3.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.3 | |
| | 30.5 | 24.5 | 13.7 | 1.0 | | | | | | | | 100.0 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12802 STATION KSC SHUTTLE APT FL 69-78 YEARS JUL MONTH
 CLASS ALL WEATHER 0900-1100 HOURS (L.S.T.)
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.1 | .4 | | | | | | | | | 2.5 | 4.7 |
| NNE | .0 | 1.0 | .9 | .1 | | | | | | | | 2.6 | 5.7 |
| NE | .3 | 1.9 | .9 | .2 | | | | | | | | 3.3 | 5.2 |
| ENE | .4 | 2.3 | 2.0 | 1.0 | | | | | | | | 5.7 | 7.1 |
| E | .4 | 4.5 | 3.2 | .5 | | | | | | | | 8.7 | 6.6 |
| ESE | .9 | 2.5 | 2.7 | .5 | | | | | | | | 6.6 | 6.2 |
| SE | .1 | 2.5 | 3.1 | 1.2 | | | | | | | | 6.9 | 7.7 |
| SSE | .2 | 4.0 | 5.2 | .6 | | | | | | | | 10.0 | 7.1 |
| S | 1.1 | 5.5 | 7.1 | 1.1 | | | | | | | | 14.7 | 6.9 |
| SSW | 1.0 | 1.6 | 1.3 | | | | | | | | | 3.9 | 5.5 |
| SW | .8 | 3.5 | 4.1 | .2 | | | | | | | | 9.1 | 6.8 |
| WSW | 1.2 | 4.4 | 3.3 | .2 | | | | | | | | 9.1 | 6.0 |
| W | 1.2 | 2.7 | 2.7 | .1 | | | | | | | | 6.7 | 5.8 |
| WNW | .9 | .9 | 1.7 | | | | | | | | | 3.4 | 6.0 |
| NW | .6 | 1.3 | .2 | | | | | | | | | 2.2 | 4.5 |
| NNW | .3 | 1.0 | .3 | | | | | | | | | 1.6 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 11.0 | 40.5 | 39.1 | 6.1 | | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1280-1 STATION KSC SHUTTLE APT F. 19-7P JUL MONTH
ALL - ALL THE CLASS 1200-1400 HOURS (L & T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | .2 | .0 | .0 | | | | | | | | 1.3 | 7.0 |
| NNE | .2 | .9 | 1.3 | .1 | | | | | | | | 2.7 | 7.1 |
| NE | | 1.9 | 1.3 | | | | | | | | | 3.9 | 6.6 |
| ENE | .2 | 1.9 | 3.7 | .4 | | | | | | | | 6.5 | 7.4 |
| E | .3 | 5.4 | 11.5 | 1.6 | | | | | | | | 19.0 | 7.5 |
| ESE | .3 | 2.4 | 8.7 | 2.6 | | | | | | | | 13.4 | 8.2 |
| SE | .3 | 3.1 | 10.4 | 3.2 | .1 | | | | | | | 17.2 | 8.5 |
| SSE | .3 | 3.0 | 8.7 | 2.6 | | | | | | | | 14.6 | 8.4 |
| S | .2 | 1.6 | 3.7 | .5 | .1 | | | | | | | 6.1 | 7.7 |
| SSW | .1 | 1.0 | 1.0 | .1 | | | | | | | | 2.2 | 6.8 |
| SW | .1 | .8 | 1.6 | .9 | | | | | | | | 3.3 | 8.5 |
| WSW | .1 | .8 | 1.8 | | | | | | | | | 2.7 | 7.2 |
| W | .2 | .5 | 1.5 | .4 | .1 | | | | | | | 2.9 | 8.2 |
| WNW | .4 | .9 | .8 | .2 | | | | | | | | 1.8 | 5.7 |
| NW | .1 | .3 | .2 | | | | | | | | | 1.0 | 6.3 |
| NNW | .2 | .2 | .1 | | | | | | | | | .5 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .9 | |
| | 3.7 | 24.8 | 57.4 | 12.0 | .3 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 930

AD-A881 463

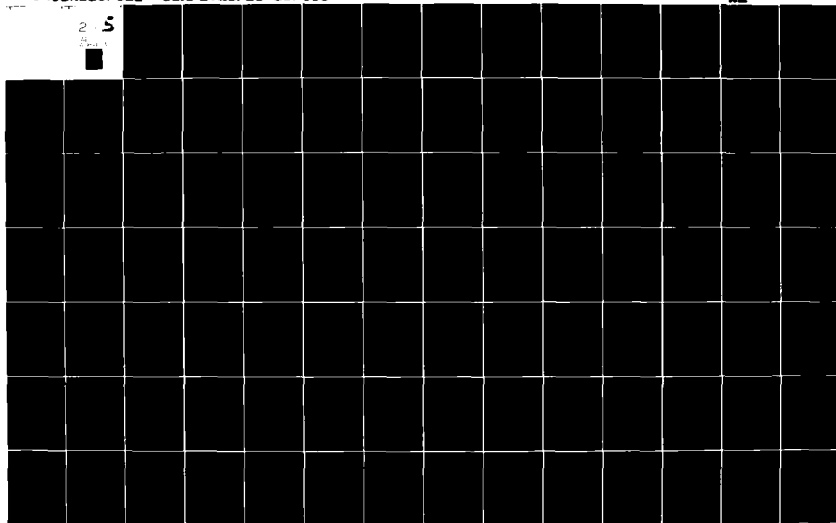
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER—ETC F/S 8/2
KSC SHUTTLE APT. TITUSVILLE, FLORIDA. REVISED UNIFORM SUMMARY 6—ETC(U)

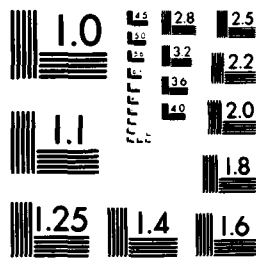
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12H68 STATION KSC SCOTTLE APT FL STATION NAME 69-78 YEARS JUL MONTH 1500-1700 HOURS (L & T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .2 | .8 | .4 | .1 | | | | | | | | 1.7 | 6.4 |
| NNE | .3 | .6 | 1.2 | .1 | | | | | | | | 2.3 | 7.0 |
| NE | .2 | 1.0 | .9 | .1 | | | | | | | | 2.2 | 6.5 |
| ENE | .2 | 1.5 | 3.1 | .6 | .1 | | | | | | | 5.6 | 7.8 |
| E | .9 | 3.9 | 9.8 | 1.5 | | | | | | | | 16.0 | 7.8 |
| ESE | 1.0 | 3.6 | 11.9 | 2.2 | | | | | | | | 18.6 | 7.8 |
| SE | .9 | 3.7 | 11.2 | 5.0 | | | | | | | | 20.1 | 8.6 |
| SSE | .4 | 1.8 | 6.2 | 3.4 | .1 | | | | | | | 12.1 | 9.0 |
| S | .2 | 1.0 | 3.1 | .6 | .1 | | | | | | | 5.1 | 8.5 |
| SSW | .3 | 1.0 | .8 | .3 | .2 | | | | | | | 2.6 | 8.5 |
| SW | .1 | .4 | .6 | | | | | | | | | 1.2 | 6.4 |
| WSW | .1 | .8 | 2.2 | .3 | .1 | | | | | | | 3.4 | 8.2 |
| W | .5 | .6 | 1.6 | .5 | | | | | | | | 3.3 | 7.5 |
| WNW | .3 | .4 | .2 | .2 | | | | | | | | 1.2 | 6.4 |
| NW | .1 | .1 | .4 | | | | | | | | | .6 | 6.8 |
| NNW | .2 | .2 | .3 | .2 | | | | | | | | 1.0 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.5 | |
| | 6.0 | 21.3 | 54.3 | 15.3 | .6 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12858 STATION KSC SHUTTLE APT FL STATION NAME 69-76 YEARS JUL MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | .9 | .1 | | | | | | | | | 1.2 | 4.7 |
| NNE | .2 | .5 | | .1 | | | | | | | | .9 | 5.1 |
| NE | .5 | .8 | .2 | | | | | | | | | 1.8 | 4.3 |
| ENE | 1.2 | 1.4 | 1.2 | | | | | | | | | 3.8 | 5.1 |
| E | 1.4 | 3.4 | 2.7 | .2 | | | | | | | | 7.5 | 5.8 |
| ESE | 2.3 | 4.2 | 2.9 | .4 | | | | | | | | 9.8 | 5.6 |
| SE | 3.4 | 4.9 | 4.6 | .8 | | | | | | | | 13.2 | 5.6 |
| SSE | 1.4 | 4.3 | 7.8 | 1.1 | | | | | | | | 17.1 | 6.6 |
| S | 3.4 | 5.9 | 5.7 | 1.3 | | | | | | | | 16.3 | 6.2 |
| SSW | .9 | 1.6 | 1.9 | .2 | | | | | | | | 4.6 | 6.0 |
| SW | .4 | 1.3 | .4 | .5 | | | | | | | | 2.7 | 6.2 |
| WSW | 1.0 | 1.2 | 1.2 | .5 | .1 | | | | | | | 4.0 | 6.7 |
| W | .9 | 1.9 | 1.1 | | .1 | | | | | | | 4.0 | 5.6 |
| WNW | .5 | .8 | .3 | .1 | .1 | | | | | | | 1.8 | 6.1 |
| NW | .6 | .3 | | | | | | | | | | 1.1 | 3.2 |
| NNW | .4 | .5 | | .1 | | | | | | | | 1.1 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.1 | |
| | 19.4 | 36.0 | 20.2 | 4.9 | .3 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12862 STATION KSC SHUTTLE APT FL STATION NAME 69-78 YEARS JUL MONTH 2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .6 | .2 | | | | | | | | | | .9 | 3.1 |
| NNE | .5 | .2 | | | | | | | | | | .8 | 3.0 |
| NE | .8 | .3 | .1 | | | | | | | | | 1.2 | 3.6 |
| ENE | .2 | .9 | .6 | .1 | | | | | | | | 1.8 | 6.2 |
| E | 2.7 | 3.8 | 1.3 | .2 | | | | | | | | 8.0 | 6.8 |
| ESE | 3.9 | 4.2 | .9 | | | | | | | | | 8.9 | 4.0 |
| SE | 2.7 | 2.6 | 1.0 | | | | | | | | | 6.2 | 4.4 |
| SSE | 2.3 | 5.4 | 3.2 | | | | | | | | | 10.9 | 5.4 |
| S | 4.7 | 8.4 | 3.7 | .0 | | | | | | | | 17.4 | 5.2 |
| SSW | 3.5 | 4.5 | 1.5 | .2 | | | | | | | | 9.8 | 4.6 |
| SW | 2.0 | 2.7 | .4 | .1 | | | | | | | | 5.3 | 4.3 |
| WSW | 1.2 | 1.6 | 1.1 | .1 | | | | | | | | 4.0 | 5.2 |
| W | 2.8 | 2.7 | .5 | | | | | | | | | 5.8 | 4.1 |
| WNW | .9 | .5 | | | | | | | | | | 1.4 | 3.2 |
| NW | .3 | .1 | .1 | | | | | | | | | .8 | 3.1 |
| NNW | .9 | .2 | | | | | | | | | | 1.1 | 2.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.9 | |
| | 20.0 | 38.3 | 14.6 | 1.4 | | | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12865 STATION NAME KSC SHUTTLE APT FL YEARS 69-78 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .5 | .3 | .1 | | | | | | | | 1.5 | 4.6 |
| NNE | .6 | .5 | .4 | .1 | | | | | | | | 1.6 | 5.2 |
| NE | .4 | .8 | .5 | .1 | | | | | | | | 1.8 | 5.6 |
| ENE | .5 | 1.3 | 1.6 | .3 | .0 | | | | | | | 3.7 | 6.7 |
| E | 1.5 | 2.7 | 4.0 | .6 | | | | | | | | 9.7 | 6.6 |
| ESE | 1.7 | 3.0 | 2.7 | .7 | | | | | | | | 9.1 | 6.3 |
| SE | 1.6 | 2.6 | 4.0 | 1.3 | .0 | | | | | | | 9.5 | 6.9 |
| SSE | 1.4 | 3.5 | 4.2 | 1.0 | .0 | | | | | | | 10.1 | 6.7 |
| S | 3.1 | 5.5 | 3.5 | .5 | .0 | | | | | | | 12.7 | 5.6 |
| SSW | 2.8 | 3.8 | 1.2 | .1 | .0 | | | | | | | 7.9 | 4.6 |
| SW | 1.8 | 2.4 | 1.2 | .3 | | | | | | | | 5.7 | 5.1 |
| WSW | 1.5 | 2.1 | 1.6 | .2 | .0 | | | | | | | 5.3 | 5.5 |
| W | 1.7 | 2.4 | 1.2 | .1 | .0 | | | | | | | 5.5 | 5.2 |
| WNW | .7 | .7 | .4 | .1 | .0 | | | | | | | 1.9 | 4.9 |
| NW | .6 | .4 | .2 | | | | | | | | | 1.2 | 4.1 |
| NNW | .7 | .4 | .1 | .0 | | | | | | | | 1.2 | 3.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.7 | |
| | 21.2 | 22.6 | 28.1 | 5.3 | .2 | | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12805
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | .5 | | .1 | | | | | | | | 1.7 | 3.8 |
| NNE | .3 | .2 | | | | | | | | | | .5 | 2.8 |
| NE | .4 | .4 | | | | | | | | | | .9 | 3.5 |
| ENE | 1.8 | 1.1 | .2 | .1 | | | | | | | | 3.2 | 3.9 |
| E | 3.3 | 3.3 | 1.4 | .2 | | | | | | | | 8.3 | 4.7 |
| ESE | 5.4 | 5.2 | 1.3 | | | | | | | | | 11.8 | 4.1 |
| SE | 4.3 | 3.4 | .2 | .1 | | | | | | | | 8.1 | 3.6 |
| SSE | 3.1 | 5.0 | .5 | | | | | | | | | 8.6 | 3.9 |
| S | 7.3 | 5.9 | 1.3 | .1 | | | | | | | | 14.6 | 3.8 |
| SSW | 2.5 | 2.9 | .6 | .1 | | | | | | | | 6.1 | 4.0 |
| SW | 1.4 | 1.8 | .6 | | | | | | | | | 3.9 | 4.5 |
| WSW | 2.2 | 1.1 | .4 | | | | | | | | | 3.7 | 3.6 |
| W | 1.6 | 1.3 | | | | | | | | | | 2.9 | 3.3 |
| WNW | 1.2 | .2 | | | | | | | | | | 1.4 | 2.9 |
| NW | .5 | .3 | .1 | | | | | | | | | 1.0 | 4.0 |
| NNW | 1.1 | .5 | | | | | | | | | | 1.6 | 3.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.6 | |
| | 27.6 | 33.3 | 6.8 | .8 | | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12804 STATION KSC SHUTTLE APT FL 64-78 YEARS AUG MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.0 | .4 | | | | | | | | | | 2.5 | 3.0 |
| NNE | 1.1 | .8 | | | | | | | | | | 1.8 | 3.1 |
| NE | 1.1 | .4 | .1 | | | | | | | | | 1.6 | 3.3 |
| ENE | 1.4 | 1.1 | | .1 | | | | | | | | 2.6 | 3.8 |
| E | 2.8 | 3.9 | .4 | .1 | | | | | | | | 7.2 | 4.1 |
| ESE | 4.3 | 4.7 | .2 | | | | | | | | | 9.2 | 3.7 |
| SE | 2.7 | 2.7 | .1 | .1 | | | | | | | | 5.6 | 3.8 |
| SSE | 3.1 | 2.3 | 1.2 | | | | | | | | | 6.6 | 4.2 |
| S | 5.4 | 4.0 | .6 | .1 | | | | | | | | 10.2 | 3.7 |
| SSW | 3.4 | 3.7 | .4 | | | | | | | | | 7.5 | 3.7 |
| SW | 3.3 | 1.6 | .5 | | | | | | | | | 5.7 | 3.6 |
| WSW | 1.5 | 1.0 | .4 | | | | | | | | | 2.9 | 3.9 |
| W | 2.7 | .9 | | | | | | | | | | 3.5 | 2.8 |
| WNW | 1.2 | .8 | | | | | | | | | | 1.9 | 3.3 |
| NW | 1.6 | .9 | | | | | | | | | | 2.5 | 2.9 |
| NNW | 2.4 | .3 | | | | | | | | | | 3.1 | 2.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.5 | |
| | 40.6 | 29.2 | 4.2 | .4 | | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12865 STATION KSC SHUTTLE APT FL 69-78 YEARS AUG MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.0 | 1.1 | .1 | | | | | | | | | 3.8 | 3.0 |
| NNE | 2.2 | .4 | .1 | | | | | | | | | 2.7 | 2.4 |
| NE | 2.0 | .4 | .0 | .1 | | | | | | | | 3.2 | 4.2 |
| ENE | 2.9 | 1.5 | .9 | .1 | | | | | | | | 5.4 | 4.0 |
| E | 3.3 | 3.8 | 2.0 | .5 | | | | | | | | 9.7 | 5.1 |
| ESE | 3.3 | 2.6 | .8 | .2 | | | | | | | | 6.9 | 4.3 |
| SE | 1.7 | 1.8 | 1.4 | | | | | | | | | 4.9 | 4.9 |
| SSE | 2.0 | 2.5 | .4 | .1 | | | | | | | | 5.1 | 4.3 |
| S | 3.4 | 3.4 | 1.7 | .4 | | | | | | | | 9.0 | 4.9 |
| SSW | 3.4 | 3.2 | .8 | | | | | | | | | 7.4 | 3.9 |
| SW | 1.0 | 1.5 | 1.1 | | | | | | | | | 4.2 | 4.7 |
| WSW | 1.4 | 1.5 | .9 | | | | | | | | | 3.8 | 4.9 |
| W | 1.9 | 1.1 | .4 | | | | | | | | | 3.4 | 3.9 |
| WNW | 1.1 | .4 | .2 | | | | | | | | | 1.7 | 3.7 |
| NW | 1.0 | .4 | .1 | | | | | | | | | 1.5 | 3.4 |
| NNW | 2.2 | 1.1 | .1 | | | | | | | | | 3.3 | 3.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.0 | |
| | 26.1 | 26.8 | 11.6 | 1.5 | | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12868 STATION KSC SHUTTLE APT FL 64-75 YEARS AUG MONTH
ALL WT THE CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .6 | 1.0 | 1.6 | .2 | | | | | | | | 3.4 | 6.4 |
| NNE | 1.0 | 1.8 | 1.6 | | | | | | | | | 4.4 | 5.6 |
| NE | .5 | 2.8 | 1.6 | | | | | | | | | 5.1 | 5.6 |
| ENE | 1.4 | 3.2 | 2.8 | .5 | | | | | | | | 8.0 | 6.2 |
| E | 1.0 | 5.9 | 7.3 | 1.2 | | | | | | | | 15.5 | 7.0 |
| ESE | .9 | 4.6 | 4.7 | .5 | | | | | | | | 10.8 | 6.6 |
| SE | .2 | 2.3 | 4.2 | .5 | | | | | | | | 7.2 | 7.4 |
| SSE | .6 | 2.9 | 5.4 | .6 | | | | | | | | 9.6 | 7.1 |
| S | 1.0 | 3.8 | 6.0 | 1.2 | | | | | | | | 11.9 | 7.2 |
| SSW | .2 | 1.8 | 1.5 | .2 | | | | | | | | 4.1 | 6.1 |
| SW | .6 | 2.3 | 2.0 | .4 | | | | | | | | 5.4 | 6.4 |
| WSW | .2 | 1.8 | 1.5 | .2 | | | | | | | | 3.9 | 6.6 |
| W | 1.0 | 1.3 | 1.2 | .1 | | | | | | | | 3.5 | 5.5 |
| WNW | .6 | .9 | .2 | | | | | | | | | 1.8 | 5.0 |
| NW | .5 | .9 | .2 | | | | | | | | | 1.6 | 4.4 |
| NNW | .5 | .8 | .5 | | | | | | | | | 1.8 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 11.5 | 38.0 | 42.6 | 5.4 | | | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12862 STATION KCC SEATTLE APT FL 69-78 YEARS AUG MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .0 | 1.2 | 1.3 | | | | | | | | 3.5 | 9.0 |
| NNE | | .9 | 2.0 | .5 | | | | | | | | 3.4 | 7.6 |
| NE | .4 | 1.3 | 4.0 | .1 | | | | | | | | 6.5 | 7.3 |
| ENE | .3 | 3.7 | 5.5 | 1.4 | | | | | | | | 10.9 | 7.7 |
| E | .4 | 5.3 | 17.4 | 1.8 | | | | | | | | 26.0 | 7.8 |
| ESE | .1 | 2.8 | 3.7 | 1.4 | | | | | | | | 13.0 | 3.1 |
| SE | .3 | 2.7 | 7.8 | 1.2 | .1 | | | | | | | 12.2 | 2.0 |
| SSE | .4 | 1.5 | 5.6 | 3.1 | .1 | | | | | | | 11.0 | 9.2 |
| S | .1 | 1.8 | 2.7 | .3 | .1 | | | | | | | 5.3 | 7.7 |
| SSW | .1 | .3 | .0 | .1 | | | | | | | | 1.2 | 7.5 |
| SW | .1 | .3 | .8 | .0 | | | | | | | | 1.8 | 8.9 |
| WSW | .2 | .1 | 1.2 | .8 | | | | | | | | 2.3 | 9.4 |
| W | .2 | .0 | .3 | .1 | | | | | | | | 1.3 | 6.1 |
| WNW | | .2 | | .2 | | | | | | | | .4 | 9.8 |
| NW | | .2 | .1 | | | | | | | | | .3 | 6.3 |
| NNW | | .1 | | | | | | | | | | .1 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .9 | |
| | 2.9 | 23.5 | 59.1 | 13.2 | .3 | | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/14AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12804 STATION KSC SHUTTLE APT FL STATION NAME 50-78 YEARS AU, NORTH 1500-1700 HOURS (L.E.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .3 | .3 | .9 | .6 | | | | | | | | 2.2 | 8.6 |
| NNE | .4 | 1.4 | .9 | .3 | | | | | | | | 3.0 | 6.2 |
| NE | .6 | 1.1 | 1.4 | .2 | | | | | | | | 3.2 | 6.3 |
| ENE | .4 | 2.5 | 5.8 | .5 | | | | | | | | 9.2 | 7.4 |
| E | 1.3 | 6.6 | 18.3 | 2.0 | | | | | | | | 28.2 | 7.7 |
| ESE | .6 | 2.7 | 9.7 | 1.5 | | | | | | | | 14.6 | 8.1 |
| SE | .8 | 1.9 | 10.9 | 2.6 | | | | | | | | 16.1 | 8.3 |
| SSE | .4 | 1.3 | 4.2 | 1.8 | .1 | | | | | | | 7.8 | 8.7 |
| S | 1.0 | .8 | .5 | .9 | .1 | | | | | | | 3.2 | 7.5 |
| SSW | .1 | .3 | .5 | .3 | | | | | | | | 1.3 | 7.8 |
| SW | | .2 | .4 | .2 | | | | | | | | .9 | 8.9 |
| WSW | .1 | .5 | .6 | .6 | | | | | | | | 1.9 | 8.6 |
| W | .8 | .4 | 1.0 | .3 | .1 | .1 | | | | | | 2.7 | 7.9 |
| WNW | .1 | .5 | .3 | .3 | | | | | | | | 1.3 | 7.2 |
| NW | .2 | .6 | | | | | | | | | | .9 | 4.5 |
| NNW | .2 | .1 | .3 | .2 | | | | | | | | .9 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.6 | |
| | 7.5 | 21.3 | 55.6 | 12.6 | .3 | .1 | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 12800 STATION NAME KSC SHUTTLE APT FL YEARS 69-78 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 1.1 | 1.4 | | | | | | | | | 3.1 | 5.7 |
| NNE | 1.0 | .6 | .2 | | | | | | | | | 1.8 | 4.8 |
| NE | .5 | .8 | .3 | | | | | | | | | 1.6 | 5.0 |
| ENE | 1.5 | 1.6 | 1.5 | | | | | | | | | 4.6 | 5.3 |
| E | 4.8 | 4.9 | 4.5 | .3 | | | | | | | | 19.6 | 5.2 |
| ESE | 4.0 | 7.4 | 3.7 | .3 | | | | | | | | 16.5 | 4.9 |
| SE | 2.9 | 7.8 | 2.5 | .2 | | | | | | | | 13.3 | 5.1 |
| SSE | 2.0 | 5.4 | 2.5 | .2 | | | | | | | | 10.1 | 5.5 |
| S | 1.2 | 3.0 | 1.8 | .1 | .1 | | | | | | | 6.2 | 5.9 |
| SSW | .0 | 2.0 | .5 | | | | | | | | | 3.2 | 4.7 |
| SW | .5 | .1 | .5 | .2 | | | | | | | | 1.5 | 6.1 |
| WSW | .5 | .9 | .9 | .1 | | | | | | | | 2.4 | 6.0 |
| W | .6 | 1.1 | .3 | .2 | .2 | | | | | | | 2.5 | 6.6 |
| WNW | .3 | .1 | .1 | | | | | | | | | .5 | 3.8 |
| NW | .3 | .3 | | | | .1 | | | | | | .8 | 6.4 |
| NNW | .1 | .3 | | .1 | | | | | | | | .5 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.6 | |
| | 22.6 | 42.8 | 20.7 | 1.8 | .3 | .1 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12800 STATION KJC SHUTTLE APT FL STATION NAME 74 YEARS AUG MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.1 | .6 | .3 | | .1 | | | | | | | 2.2 | 4.4 |
| NNE | 1.4 | .8 | | | .1 | | | | | | | 2.2 | 3.4 |
| NE | .1 | .3 | | | | | | | | | | .4 | 3.5 |
| ENE | 1.0 | 1.0 | .6 | | | | | | | | | 2.7 | 4.7 |
| E | 5.3 | 5.5 | 1.6 | .3 | | | | | | | | 12.7 | 4.4 |
| ESE | 7.7 | 6.7 | 1.5 | .2 | | | | | | | | 16.1 | 4.0 |
| SE | 4.1 | 5.3 | 1.0 | | | | | | | | | 10.3 | 4.1 |
| SSE | 3.4 | 6.2 | .8 | | | | | | | | | 10.9 | 4.2 |
| S | 2.3 | 4.4 | 2.2 | .3 | | | | | | | | 9.9 | 5.0 |
| SSW | 2.4 | 2.3 | .2 | | | | | | | | | 5.4 | 3.5 |
| SW | 1.1 | 1.1 | .3 | .1 | | | | | | | | 2.6 | 4.2 |
| WSW | 1.4 | .8 | .3 | .1 | | | | | | | | 2.6 | 4.4 |
| W | 1.2 | .3 | | | | | | | | | | 1.5 | 3.1 |
| WNW | .5 | .4 | .1 | | | | | | | | | 1.1 | 3.7 |
| NW | .4 | .4 | | | | | | | | | | .9 | 3.4 |
| NNW | .5 | .5 | .2 | | | | | | | | | 1.3 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.4 | |
| | 25.2 | 76.6 | 9.4 | 1.3 | .2 | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12807 STATION NAME KSC SHUTTLE APT FL YEARS 69-78 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | .7 | .7 | .4 | .0 | | | | | | | 2.8 | 5.6 |
| NNE | .4 | .9 | .6 | .1 | .0 | | | | | | | 2.5 | 5.1 |
| NE | .7 | .9 | 1.1 | .1 | | | | | | | | 2.8 | 5.7 |
| ENE | 1.1 | 1.9 | 2.2 | .3 | | | | | | | | 5.8 | 6.1 |
| E | 2.1 | 5.6 | 6.6 | .3 | | | | | | | | 15.9 | 6.3 |
| ESE | 3.4 | 4.6 | 3.8 | .5 | | | | | | | | 12.4 | 5.6 |
| SE | 2.1 | 3.5 | 3.5 | .6 | .0 | | | | | | | 9.7 | 6.0 |
| SSE | 1.9 | 3.4 | 2.6 | .7 | .0 | | | | | | | 8.7 | 6.1 |
| S | 2.8 | 3.4 | 2.1 | .5 | .0 | | | | | | | 8.8 | 5.3 |
| SSW | 1.7 | 2.1 | .7 | .1 | | | | | | | | 4.5 | 4.4 |
| SW | 1.1 | 1.1 | .4 | .2 | | | | | | | | 3.2 | 5.2 |
| WSW | 1.0 | 1.0 | .8 | .2 | | | | | | | | 2.9 | 5.6 |
| W | 1.3 | .9 | .4 | .1 | .0 | .0 | | | | | | 2.7 | 4.8 |
| WNW | .6 | .4 | .1 | .1 | | | | | | | | 1.3 | 4.4 |
| NW | .6 | .5 | .1 | | | .0 | | | | | | 1.2 | 3.9 |
| NNW | .9 | .5 | .1 | .0 | | | | | | | | 1.6 | 3.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.2 | |
| | 24.3 | 31.4 | 26.2 | 4.7 | .1 | .0 | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12862 STATION KSC SHUTTLE APT FL STATION NAME ALL WEATHER CLASS 69-78 YEARS 0000-0700 MONTH SEP HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | .9 | .4 | | | | | | | | | 2.7 | 3.9 |
| NNE | .9 | .7 | .4 | .2 | | | | | | | | 2.2 | 5.2 |
| NE | .7 | 1.0 | 1.3 | .4 | | | | | | | | 3.4 | 6.5 |
| ENE | 1.6 | 1.1 | 1.2 | .4 | | | | | | | | 4.3 | 5.8 |
| E | 5.1 | 7.1 | 3.1 | .9 | | | | | | | | 16.2 | 5.1 |
| ESE | 4.0 | 8.2 | 1.7 | .4 | | | | | | | | 14.9 | 4.6 |
| SE | 4.7 | 3.3 | .6 | | | | | | | | | 8.6 | 3.6 |
| SSE | 2.4 | 2.6 | .6 | .3 | | | | | | | | 5.9 | 4.7 |
| S | 2.2 | 1.8 | 1.4 | | | | | | | | | 5.4 | 4.7 |
| SSW | 2.0 | 1.7 | .3 | | | | | | | | | 4.0 | 3.9 |
| SW | 2.0 | 1.2 | .4 | | | | | | | | | 3.7 | 3.8 |
| WSW | 1.4 | 1.8 | .1 | | | | | | | | | 3.3 | 3.7 |
| W | 1.9 | 2.0 | | .3 | | | | | | | | 4.2 | 4.3 |
| WNW | 1.4 | .3 | .1 | | | | | | | | | 1.9 | 3.3 |
| NW | 1.0 | .8 | .2 | | | | | | | | | 2.0 | 3.9 |
| NNW | .0 | .9 | .1 | | | | | | | | | 1.6 | 4.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 33.8 | 35.3 | 12.1 | 3.1 | | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12800 STATION NAME KSC SHUTTLE APT FL YEARS 54-78 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.7 | 1.9 | .3 | | | | | | | | | 4.9 | 3.6 |
| NNE | .8 | .8 | .7 | .2 | | | | | | | | 2.4 | 5.2 |
| NE | .7 | 1.3 | .8 | | | | | | | | | 2.8 | 5.4 |
| ENE | .9 | 2.1 | .4 | .4 | | | | | | | | 4.2 | 5.9 |
| E | 5.1 | 4.4 | 2.2 | .4 | | | | | | | | 12.4 | 4.6 |
| ESE | 5.2 | 4.7 | 1.9 | .2 | | | | | | | | 12.0 | 4.4 |
| SE | 2.4 | 1.6 | .9 | .2 | | | | | | | | 5.1 | 4.2 |
| SSE | 1.8 | 1.6 | .2 | .2 | | | | | | | | 3.8 | 4.3 |
| S | 2.0 | .7 | .6 | .1 | | | | | | | | 3.3 | 3.9 |
| SSW | 2.7 | 2.6 | .1 | | | | | | | | | 5.3 | 3.6 |
| SW | 1.7 | 1.0 | .1 | | | | | | | | | 2.8 | 3.4 |
| WSW | 2.4 | 1.6 | | | | | | | | | | 4.0 | 3.4 |
| W | 1.9 | 2.3 | .3 | .2 | | | | | | | | 4.8 | 4.3 |
| WNW | 1.4 | .8 | .2 | | | | | | | | | 2.4 | 3.5 |
| NW | 1.2 | 1.6 | .2 | | | | | | | | | 3.0 | 4.1 |
| NNW | 2.2 | 1.3 | | | | | | | | | | 3.6 | 3.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.1 | |
| | 35.3 | 30.1 | 9.3 | 2.1 | | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12865 STATION KSC SHUTTLE APT FL STATION NAME 69-78 YEARS SEP MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.4 | 2.4 | .4 | .4 | | | | | | | | 5.7 | 4.4 |
| NNE | 1.0 | 1.3 | .6 | .3 | | | | | | | | 3.2 | 5.6 |
| NE | 1.0 | 1.8 | .8 | .2 | | | | | | | | 3.8 | 5.3 |
| ENE | 2.8 | 2.1 | 1.2 | .1 | | | | | | | | 6.2 | 4.7 |
| E | 4.1 | 5.2 | 3.7 | .4 | | | | | | | | 13.4 | 5.4 |
| ESE | 3.2 | 3.9 | 2.6 | .2 | | | | | | | | 9.9 | 5.1 |
| SE | 1.6 | 1.0 | .0 | .1 | | | | | | | | 3.2 | 4.6 |
| SSE | .8 | .7 | .4 | .4 | | | | | | | | 2.3 | 6.2 |
| S | .9 | .8 | .6 | | | | | | | | | 2.2 | 4.7 |
| SSW | 1.8 | 1.6 | .4 | | | | | | | | | 3.8 | 4.0 |
| SW | 1.8 | 1.2 | .6 | | | | | | | | | 3.6 | 3.8 |
| WSW | 1.9 | 1.2 | .4 | .1 | | | | | | | | 3.7 | 4.2 |
| W | 3.2 | 2.2 | .6 | .1 | | | | | | | | 6.1 | 3.8 |
| WNW | 1.9 | 1.2 | | | | | | | | | | 3.1 | 3.3 |
| NW | 2.1 | 2.2 | .2 | | | | | | | | | 4.7 | 3.8 |
| NNW | 1.7 | 2.2 | .2 | | | | | | | | | 4.1 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.0 | |
| | 32.1 | 31.1 | 13.3 | 2.4 | | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12868 STATION KSC SHUTTLE APT FL 65-78 YEARS SEP MONTH 0900-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .4 | 1.8 | 2.6 | .6 | | | | | | | | 5.8 | 7.0 |
| NNE | .7 | 2.8 | 2.0 | .4 | | | | | | | | 5.9 | 6.3 |
| NE | .7 | 2.9 | 2.6 | .7 | | | | | | | | 6.8 | 6.8 |
| ENE | .4 | 2.8 | 4.7 | .5 | | | | | | | | 8.7 | 7.3 |
| E | 1.2 | 6.3 | 9.2 | 2.0 | | | | | | | | 18.8 | 7.4 |
| ESE | .8 | 4.2 | 6.2 | .6 | | | | | | | | 12.0 | 7.1 |
| SE | .7 | 1.8 | 2.3 | .2 | | | | | | | | 5.0 | 6.3 |
| SSE | .2 | 2.1 | 1.8 | .3 | | | | | | | | 4.9 | 7.2 |
| S | .4 | 2.0 | 1.4 | .2 | | | | | | | | 4.1 | 5.4 |
| SSW | | 1.0 | .8 | | | | | | | | | 1.8 | 6.0 |
| SW | .2 | 1.7 | 1.1 | .4 | | | | | | | | 3.4 | 6.9 |
| WSW | .1 | 2.6 | 1.4 | .1 | | | | | | | | 4.2 | 6.1 |
| W | .4 | 3.3 | 1.3 | .2 | | | | | | | | 5.8 | 5.6 |
| WNW | .7 | 1.2 | .7 | | | | | | | | | 2.6 | 6.8 |
| NW | .2 | 1.4 | .4 | | | | | | | | | 2.1 | 5.3 |
| NNW | .9 | 2.1 | .9 | .3 | | | | | | | | 4.2 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 9.0 | 60.0 | 39.6 | 7.6 | | | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12868 STATION KSC SHUTTLE APT FL STATION NAME 69-76 YEARS SEP MONTH 1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .2 | .7 | 2.7 | 1.3 | .1 | | | | | | | 6.0 | 9.5 |
| NNE | .2 | 1.4 | 3.4 | 1.3 | | | | | | | | 6.4 | 8.1 |
| NE | .4 | 3.2 | 6.0 | .2 | | | | | | | | 10.6 | 7.3 |
| ENE | .7 | 3.2 | 6.9 | 1.3 | | | | | | | | 12.1 | 7.7 |
| E | .4 | 7.9 | 15.2 | 4.3 | | | | | | | | 27.8 | 8.0 |
| ESE | .6 | 3.7 | 6.2 | .6 | | | | | | | | 11.0 | 7.2 |
| SE | .3 | 2.2 | 3.4 | 1.0 | | | | | | | | 7.0 | 7.7 |
| SSE | .2 | 1.4 | 3.1 | 1.0 | | | | | | | | 5.8 | 7.9 |
| S | | .7 | 1.4 | .2 | | | | | | | | 2.2 | 7.6 |
| SSW | .2 | .3 | .3 | | | | | | | | | .9 | 5.9 |
| SW | | .8 | .7 | .2 | | | | | | | | 1.7 | 7.2 |
| WSW | | .8 | 1.0 | .4 | | | | | | | | 2.2 | 8.3 |
| W | .3 | 1.3 | 1.6 | | | | | | | | | 3.2 | 6.2 |
| WNW | .3 | .4 | .6 | .2 | | | | | | | | 1.6 | 6.2 |
| NW | | .2 | .1 | .1 | | | | | | | | .4 | 7.5 |
| NNW | .1 | .1 | .1 | .1 | | | | | | | | .4 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 4.0 | 28.4 | 53.7 | 13.1 | .1 | | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12869
STATION

KSC SHUTTLE APT FL
STATION NAME

59-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .3 | 2.4 | 2.6 | | | | | | | | 5.6 | 10.0 |
| NNE | .4 | 1.7 | 2.7 | .3 | .1 | | | | | | | 5.7 | 7.6 |
| NE | .1 | 2.7 | 4.4 | .7 | | | | | | | | 7.9 | 7.5 |
| ENE | .3 | 3.4 | 7.6 | 1.3 | | | | | | | | 12.9 | 7.8 |
| E | 1.2 | 10.6 | 15.3 | 2.9 | | | | | | | | 29.9 | 7.2 |
| ESE | 1.4 | 4.4 | 7.4 | 2.1 | | | | | | | | 15.4 | 7.4 |
| SE | .4 | 2.7 | 3.1 | 1.0 | | | | | | | | 7.2 | 7.5 |
| SSE | .1 | 1.2 | 1.4 | .4 | | | | | | | | 3.2 | 7.3 |
| S | .1 | .9 | .6 | .4 | | | | | | | | 2.0 | 7.3 |
| SSW | .0 | .6 | .4 | .1 | | | | | | | | 1.7 | 5.2 |
| SW | .1 | .4 | .7 | | | | | | | | | 1.2 | 6.6 |
| WSW | | .4 | .7 | .1 | | | | | | | | 1.2 | 8.1 |
| W | .2 | .7 | .6 | .1 | | | | | | | | 1.6 | 6.3 |
| WNW | .1 | .4 | .4 | | | | | | | | | 1.0 | 5.9 |
| NW | .1 | .4 | | | | | | | | | | .6 | 4.6 |
| NNW | .1 | .6 | .3 | .3 | | | | | | | | 1.3 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 5.8 | 31.3 | 48.3 | 12.8 | .1 | | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12803 STATION KSC SHUTTLE APT FL 44-78 YEARS SEP MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLARE
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .7 | .7 | 2.2 | .3 | | | | | | | | 3.9 | 7.1 |
| NNE | .7 | 1.3 | 1.9 | .2 | .1 | | | | | | | 4.2 | 7.1 |
| NE | 1.3 | 2.0 | 1.4 | .4 | | | | | | | | 6.2 | 6.0 |
| ENE | 1.4 | 3.9 | 2.4 | .6 | | | | | | | | 8.6 | 6.2 |
| E | 5.4 | 12.1 | 5.9 | .9 | | | | | | | | 25.3 | 5.4 |
| ESE | 5.4 | 7.7 | 3.4 | .6 | | | | | | | | 17.1 | 5.0 |
| SE | 2.6 | 4.7 | .8 | .1 | | | | | | | | 8.1 | 4.3 |
| SSE | 2.3 | 2.7 | 1.8 | .1 | | | | | | | | 6.9 | 5.1 |
| S | 1.0 | 1.8 | .4 | .1 | | | | | | | | 3.3 | 4.6 |
| SSW | .2 | 1.3 | .2 | .1 | | | | | | | | 1.9 | 5.1 |
| SW | .3 | .8 | .6 | | | | | | | | | 1.7 | 5.5 |
| WSW | .7 | .6 | .1 | .3 | | | | | | | | 1.7 | 5.7 |
| W | 1.2 | .4 | .1 | .2 | | | | | | | | 2.0 | 4.3 |
| WNW | | .1 | .3 | | | | | | | | | .4 | 7.8 |
| NW | .3 | .7 | .1 | | | | | | | | | 1.1 | 4.2 |
| NNW | .2 | .6 | .7 | | | | | | | | | 1.4 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.1 | |
| | 23.9 | 43.2 | 22.4 | 4.2 | .1 | | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12800 STATION KSC SMITHFIELD APT FL STATION NAME 53-78 YEARS SEP MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | .3 | .6 | .4 | | | | | | | | 2.6 | 6.1 |
| NNE | .9 | 1.0 | 1.2 | .3 | | | | | | | | 3.4 | 6.2 |
| NE | 1.2 | 1.8 | 1.2 | .6 | | | | | | | | 4.8 | 6.1 |
| ENE | 1.6 | 2.0 | 2.4 | .9 | | | | | | | | 6.9 | 6.6 |
| E | 5.1 | 11.2 | 3.3 | 1.4 | | | | | | | | 21.1 | 5.2 |
| ESE | 6.5 | 7.9 | 2.4 | .3 | .1 | | | | | | | 17.2 | 4.7 |
| SE | 3.7 | 3.1 | .3 | .1 | | | | | | | | 7.2 | 3.9 |
| SSE | 2.0 | 3.3 | .9 | .1 | | | | | | | | 6.3 | 4.9 |
| S | 2.7 | 2.1 | .7 | .1 | | | | | | | | 5.6 | 4.2 |
| SSW | 2.0 | 2.1 | .7 | | | | | | | | | 4.8 | 4.2 |
| SW | .7 | 1.0 | .1 | | | | | | | | | 1.8 | 3.9 |
| WSW | .7 | .6 | .1 | .1 | | | | | | | | 1.4 | 4.4 |
| W | 1.4 | 1.9 | .1 | .2 | | | | | | | | 3.7 | 4.1 |
| WNW | .7 | .7 | | .1 | | | | | | | | 1.4 | 4.2 |
| NW | .3 | .2 | | | | | | | | | | .6 | 3.4 |
| NNW | .3 | 1.0 | .2 | | | | | | | | | 1.6 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.6 | |
| | 30.9 | 40.3 | 14.3 | 4.8 | .1 | | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/1AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12801 STATION KSC SHUTTLE APT FL STATION NAME 45-78 YEARS SEP
CLASS ALL AT THE MONTH ALL
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 1.1 | 1.0 | .7 | .0 | | | | | | | 4.6 | 6.7 |
| NNE | .7 | 1.4 | 1.0 | .5 | .0 | | | | | | | 4.2 | 6.7 |
| NE | .0 | 2.2 | 2.3 | .5 | | | | | | | | 5.8 | 6.6 |
| ENE | 1.2 | 2.6 | 3.4 | .8 | | | | | | | | 8.0 | 6.8 |
| E | 2.5 | 8.2 | 7.3 | 1.7 | | | | | | | | 20.6 | 6.3 |
| ESE | 2.5 | 5.6 | 4.0 | .7 | .0 | | | | | | | 13.7 | 5.6 |
| SE | 2.0 | 2.5 | 1.5 | .3 | | | | | | | | 6.4 | 5.3 |
| SSE | 1.2 | 1.9 | 1.3 | .4 | | | | | | | | 4.9 | 5.9 |
| S | 1.2 | 1.3 | .5 | .2 | | | | | | | | 3.5 | 5.2 |
| SSW | 1.2 | 1.4 | .4 | .0 | | | | | | | | 3.0 | 4.3 |
| SW | .8 | 1.0 | .5 | .1 | | | | | | | | 2.5 | 4.9 |
| WSW | .9 | 1.2 | .5 | .2 | | | | | | | | 2.7 | 5.1 |
| W | 1.4 | 1.8 | .6 | .2 | | | | | | | | 3.9 | 4.7 |
| WNW | .8 | .7 | .3 | .0 | | | | | | | | 1.8 | 4.3 |
| NW | .7 | .9 | .2 | .0 | | | | | | | | 1.8 | 4.3 |
| NNW | .8 | 1.1 | .3 | .1 | | | | | | | | 2.3 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.2 | |
| | 21.9 | 25.0 | 26.6 | 6.3 | .1 | | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12800 KSC SHUTTLE APT FL STATION NAME 69-76 YEARS 0000-0700
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 1.7 | 1.0 | .3 | | | | | | | | 4.5 | 5.3 |
| NNE | 1.2 | 1.4 | 1.3 | 1.6 | .1 | | | | | | | 5.8 | 8.0 |
| NE | 1.5 | 1.8 | 1.6 | 2.9 | .2 | | | | | | | 8.1 | 3.5 |
| ENE | 1.4 | 3.0 | 3.5 | 3.4 | .3 | .1 | | | | | | 11.8 | 6.7 |
| E | 3.4 | 4.5 | 5.4 | 3.5 | .1 | | | | | | | 17.0 | 7.2 |
| ESE | 2.6 | 1.6 | 1.3 | | | | | | | | | 5.5 | 4.5 |
| SE | 1.5 | 2.4 | .8 | .2 | .1 | | | | | | | 4.9 | 5.4 |
| SSE | 1.5 | 3.0 | .6 | | | | | | | | | 5.2 | 4.5 |
| S | 1.1 | 1.6 | .8 | .1 | | | | | | | | 3.5 | 4.9 |
| SSW | 1.1 | .8 | .2 | .2 | | | | | | | | 2.3 | 4.6 |
| SW | .6 | 1.0 | .1 | | | | | | | | | 1.7 | 4.2 |
| WSW | 1.0 | 1.1 | | .2 | | | | | | | | 2.3 | 4.2 |
| W | 2.0 | 3.2 | .3 | .1 | | | | | | | | 5.7 | 4.2 |
| WNW | 1.1 | 2.4 | .5 | | | | | | | | | 4.0 | 4.3 |
| NW | 1.8 | 1.4 | .3 | .3 | | | | | | | | 4.3 | 4.8 |
| NNW | 2.0 | 1.9 | .8 | .6 | | | | | | | | 5.4 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.1 | |
| | 25.4 | 32.8 | 18.9 | 13.4 | .9 | .1 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12868 STATION KSC SHUTTLE APT FL 60-78 YEARS JLT SOUTH
ALL W. THE CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.5 | 2.7 | 1.1 | .5 | | | | | | | | 5.8 | 5.5 |
| NNE | 1.6 | 1.4 | .6 | 1.3 | .2 | | | | | | | 5.2 | 7.4 |
| NE | 1.0 | 3.0 | 2.9 | 2.3 | .1 | | | | | | | 9.3 | 8.0 |
| ENE | 1.5 | 2.2 | 2.2 | 3.3 | .6 | | | | | | | 9.6 | 8.8 |
| E | 3.2 | 7.1 | 3.8 | 2.9 | .1 | | | | | | | 17.1 | 6.6 |
| ESE | 1.3 | 1.1 | 1.0 | .5 | .1 | | | | | | | 4.0 | 6.4 |
| SE | .6 | 1.0 | .5 | .2 | | | | | | | | 2.4 | 5.7 |
| SSE | .4 | 1.3 | .3 | .1 | | | | | | | | 2.6 | 4.5 |
| S | .3 | .8 | 1.6 | .1 | | | | | | | | 2.8 | 6.7 |
| SSW | 1.2 | 1.0 | .9 | | | | | | | | | 3.0 | 4.7 |
| SW | 1.3 | .6 | | | | | | | | | | 1.9 | 3.3 |
| WSW | 2.0 | 1.0 | .3 | | | | | | | | | 3.3 | 2.5 |
| W | 2.8 | 2.8 | .4 | | | | | | | | | 6.0 | 2.7 |
| WNW | 2.3 | 3.8 | .1 | | | | | | | | | 6.1 | 2.9 |
| NW | 2.0 | 2.8 | 1.0 | | | | | | | | | 5.8 | 4.5 |
| NNW | 2.8 | 1.3 | .9 | .3 | | | | | | | | 5.3 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.8 | |
| | 26.4 | 23.7 | 17.5 | 11.6 | 1.0 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12863 STATION NAME KSC SHUTTLE APT FL YEARS 60-78 MONTH OCT
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.7 | 2.3 | 1.0 | .4 | | | | | | | | 5.4 | 5.2 |
| NNE | .9 | 1.7 | .3 | 1.4 | .6 | | | | | | | 5.9 | 9.1 |
| NE | .2 | 3.0 | 3.2 | 1.4 | .2 | | | | | | | 8.7 | 7.6 |
| ENE | 1.1 | 2.6 | 2.7 | 4.4 | .5 | | | | | | | 11.3 | 9.4 |
| E | 2.4 | 3.4 | 4.5 | 2.6 | .1 | | | | | | | 13.2 | 7.5 |
| ESE | 1.4 | 2.0 | 1.0 | .2 | | | | | | | | 5.2 | 4.8 |
| SE | .4 | 1.0 | .2 | | | .1 | | | | | | 1.7 | 5.9 |
| SSE | .4 | .8 | .5 | .2 | | | | | | | | 1.9 | 6.1 |
| S | .3 | .6 | .9 | .2 | | | | | | | | 2.0 | 6.8 |
| SSW | 1.0 | 1.4 | .6 | .1 | | | | | | | | 3.1 | 4.9 |
| SW | 1.1 | .5 | .3 | | | | | | | | | 1.9 | 4.2 |
| WSW | 1.2 | .9 | | | | | | | | | | 2.0 | 3.2 |
| W | 2.8 | 2.6 | .6 | | | | | | | | | 6.0 | 3.9 |
| WNW | 2.0 | 3.9 | .4 | | | | | | | | | 6.3 | 4.1 |
| NW | 3.5 | 3.4 | 1.9 | .4 | | | | | | | | 9.4 | 4.9 |
| NNW | 1.2 | 2.2 | 1.4 | .3 | | | | | | | | 5.1 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.8 | |
| | 22.8 | 32.3 | 20.1 | 12.5 | 1.5 | .1 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12854 KSC SHUTTLE APT FL STATION NAME SM-76 YEARS UCI MONTH 0700-1100
CLASS ALL OF THE HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 1.2 | 3.4 | 2.2 | | | | | | | | 7.8 | 8.4 |
| NNE | .0 | 1.0 | 3.1 | 2.4 | .5 | | | | | | | 8.1 | 10.1 |
| NE | .5 | 1.3 | 5.5 | 4.4 | .1 | | | | | | | 12.3 | 10.6 |
| ENE | .2 | 2.2 | 3.5 | 4.2 | .5 | | | | | | | 10.6 | 10.1 |
| E | 1.0 | 3.7 | 6.2 | 5.6 | .6 | | | | | | | 16.8 | 8.9 |
| ESE | .5 | 1.8 | 2.6 | 1.0 | | | | | | | | 5.4 | 7.6 |
| SE | .5 | .4 | 1.7 | .9 | | | | | | | | 3.5 | 8.1 |
| SSE | .2 | .2 | .5 | .4 | | | | | | | | 1.4 | 8.2 |
| S | .3 | 1.0 | 1.1 | .6 | | | | | | | | 3.0 | 7.7 |
| SSW | .5 | 1.1 | 1.2 | .4 | | | | | | | | 3.2 | 6.9 |
| SW | .3 | .8 | .9 | .5 | | | | | | | | 2.2 | 6.8 |
| WSW | .3 | .8 | .9 | .1 | | | | | | | | 2.0 | 6.2 |
| W | 1.1 | 2.2 | 1.1 | .2 | | | | | | | | 4.5 | 5.5 |
| WNW | .3 | 2.7 | 1.5 | .2 | | | | | | | | 5.2 | 5.8 |
| NW | .4 | 2.4 | 2.8 | .5 | | | | | | | | 5.9 | 6.8 |
| NNW | 1.0 | .6 | 2.7 | 1.4 | | | | | | | | 5.7 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.2 | |
| | 9.1 | 23.1 | 28.6 | 25.5 | 1.5 | | | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

120000 STATION KSC SHUTTLE APT FL STATION NAME 69-78 YEARS 1200-1400 HCT NORTH HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .4 | .8 | 4.8 | 3.7 | .2 | | | | | | | 9.9 | 10.0 |
| NNE | .3 | 1.9 | 5.3 | 3.9 | .3 | | | | | | | 11.7 | 9.6 |
| NE | | 1.8 | 4.7 | 4.5 | .2 | | | | | | | 11.3 | 9.9 |
| ENE | .4 | 3.3 | 5.7 | 5.3 | .8 | | | | | | | 15.5 | 7.6 |
| E | .6 | 3.8 | 7.3 | 4.4 | .3 | | | | | | | 17.0 | 8.9 |
| ESE | .2 | 2.0 | 3.6 | 1.0 | | | | | | | | 6.9 | 8.3 |
| SE | | 1.1 | 1.2 | 1.4 | .1 | | | | | | | 3.8 | 9.4 |
| SSE | .1 | 1.3 | 1.3 | .4 | | | | | | | | 3.5 | 8.0 |
| S | .2 | .9 | 1.8 | .9 | | | | | | | | 3.8 | 8.4 |
| SSW | .1 | .4 | .2 | .2 | | | | | | | | 1.0 | 6.9 |
| SW | .1 | .3 | .3 | .1 | | | | | | | | .9 | 6.9 |
| WSW | .3 | .5 | 1.0 | .4 | | | | | | | | 2.5 | 7.0 |
| W | .3 | .6 | 1.0 | .5 | | | | | | | | 2.5 | 7.6 |
| WNW | .2 | .8 | 1.6 | .5 | | | | | | | | 3.1 | 7.7 |
| NW | .2 | .5 | 1.0 | | | | | | | | | 1.7 | 6.6 |
| NNW | .2 | 1.0 | 1.4 | 1.5 | | | | | | | | 4.1 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 4.1 | 21.1 | 41.6 | 30.3 | 1.9 | | | | | | | 100.0 | 9.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

128-2 STATION KSC SHUTTLE APT FL 10-70 YEARS 107 MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .3 | 2.2 | 4.7 | 4.4 | .3 | | | | | | | 12.2 | 9.6 |
| NNE | .6 | 3.1 | 3.4 | 3.5 | .1 | | | | | | | 13.1 | 8.6 |
| NE | .3 | 2.7 | 4.3 | 4.2 | .4 | | | | | | | 12.5 | 9.5 |
| ENE | .6 | 4.2 | 6.5 | 4.2 | .2 | | | | | | | 15.7 | 8.6 |
| E | 1.2 | 7.4 | 6.6 | 2.3 | .3 | | | | | | | 18.4 | 7.5 |
| ESE | 1.0 | 3.7 | 2.5 | .6 | | | | | | | | 7.7 | 6.3 |
| SE | .6 | 1.7 | 1.3 | .6 | | | | | | | | 4.4 | 7.1 |
| SSE | .1 | 1.3 | 1.2 | .6 | | | | | | | | 3.5 | 7.3 |
| S | .3 | .1 | .4 | .4 | | | | | | | | 1.7 | 8.3 |
| SSW | | .4 | .2 | .1 | | | | | | | | .8 | 6.7 |
| SW | | .4 | .1 | | | | | | | | | .5 | 5.0 |
| WSW | .1 | .2 | .2 | .1 | | | | | | | | .6 | 7.0 |
| W | .1 | .5 | 1.6 | .3 | | | | | | | | 2.4 | 7.8 |
| WNW | .1 | .6 | .8 | .1 | | | | | | | | 1.6 | 7.3 |
| NW | .2 | .3 | .5 | .1 | | | | | | | | 1.2 | 6.4 |
| NNW | .1 | .5 | .4 | 1.0 | .2 | | | | | | | 2.3 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 6.2 | 29.5 | 37.6 | 23.7 | 1.6 | | | | | | | 100.0 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12862 STATION 12862 KSC SHUTTLE APT FL STATION NAME 69-78 YEARS OCT NORTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.9 | 2.2 | 2.9 | 2.0 | | | | | | | | 10.5 | 7.3 |
| NNE | 1.0 | 3.3 | 2.3 | 2.0 | | | | | | | | 9.2 | 7.3 |
| NE | 1.5 | 3.3 | 3.3 | 2.0 | | | | | | | | 11.0 | 8.0 |
| ENE | 2.0 | 3.2 | 3.8 | 4.5 | .4 | | | | | | | 14.0 | 8.7 |
| E | 4.4 | 6.3 | 4.5 | 1.8 | .3 | | | | | | | 17.4 | 6.2 |
| ESE | 2.9 | 4.2 | 1.3 | .5 | | | | | | | | 8.9 | 5.0 |
| SE | 1.4 | 2.0 | .5 | | | | | | | | | 4.0 | 4.3 |
| SSE | .8 | 1.0 | 1.3 | .3 | | | | | | | | 3.3 | 5.2 |
| S | .2 | 1.5 | .6 | | | | | | | | | 2.5 | 5.6 |
| SSW | .6 | .6 | | .1 | | | | | | | | 1.4 | 4.6 |
| SW | .3 | .2 | .1 | | | | | | | | | .6 | 3.8 |
| WSW | .5 | .5 | | | | | | | | | | 1.1 | 3.2 |
| W | .4 | .6 | .3 | | | | | | | | | 1.4 | 4.8 |
| WNW | | .6 | .1 | | | | | | | | | .8 | 5.3 |
| NW | .3 | .5 | .2 | | | | | | | | | 1.5 | 4.1 |
| NNW | 1.4 | 1.6 | .6 | .2 | | | | | | | | 3.9 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.5 | |
| | 21.8 | 31.9 | 22.0 | 14.9 | .8 | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

128608 STATION KSC SHUTTLE APT FL STATION NAME 69-78 YEARS OCT MONTH 2100-2300 HOURS (L.S.T.)
ALL REF. TIME CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.4 | 1.3 | 2.3 | 1.6 | .1 | | | | | | | 7.6 | 7.2 |
| NNE | 1.2 | 1.3 | 2.2 | 1.1 | | | | | | | | 6.5 | 7.8 |
| NE | 1.7 | 2.2 | 2.2 | 2.5 | .1 | | | | | | | 8.6 | 8.1 |
| ENE | 1.1 | 3.2 | 5.2 | 3.0 | 1.0 | | | | | | | 14.2 | 9.2 |
| E | 4.4 | 5.5 | 3.8 | 3.0 | .2 | | | | | | | 17.7 | 7.0 |
| ESE | 2.8 | 3.4 | 1.9 | .5 | | | | | | | | 8.8 | 5.4 |
| SE | 2.7 | 2.9 | 1.1 | | | | | | | | | 6.7 | 4.4 |
| SSE | .4 | 2.0 | .6 | | | | | | | | | 3.1 | 5.0 |
| S | 1.0 | 1.4 | 1.6 | .3 | | | | | | | | 4.3 | 6.3 |
| SSW | 1.1 | .4 | .1 | | | | | | | | | 1.6 | 3.3 |
| SW | .5 | .3 | | .1 | | | | | | | | 1.0 | 4.3 |
| WSW | .5 | .9 | .1 | .1 | | | | | | | | 1.6 | 4.6 |
| W | .4 | 1.9 | .2 | | | | | | | | | 2.9 | 4.6 |
| WNW | .4 | .9 | .1 | | | | | | | | | 1.4 | 4.6 |
| NW | 1.3 | .5 | .4 | .2 | | | | | | | | 2.8 | 5.3 |
| NNW | 1.5 | 1.7 | .4 | .3 | | | | | | | | 4.0 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.2 | |
| | 23.8 | 29.9 | 22.5 | 15.1 | 1.4 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12808
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEARS

UCI
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 1.8 | 2.7 | 2.0 | .1 | | | | | | | 8.0 | 7.8 |
| NNE | 1.0 | 1.9 | 2.6 | 2.4 | .2 | | | | | | | 8.2 | 9.6 |
| NE | 1.0 | 2.4 | 3.5 | 3.2 | .2 | | | | | | | 10.2 | 8.8 |
| ENE | 1.0 | 3.0 | 4.1 | 4.1 | .5 | .0 | | | | | | 12.8 | 9.1 |
| E | 2.5 | 5.2 | 5.3 | 3.5 | .2 | | | | | | | 16.8 | 7.5 |
| ESE | 1.7 | 2.5 | 1.7 | .6 | .0 | | | | | | | 6.5 | 6.0 |
| SE | 1.0 | 1.6 | .9 | .4 | .0 | .0 | | | | | | 3.9 | 6.1 |
| SSE | .6 | 1.4 | .9 | .3 | | | | | | | | 3.1 | 6.1 |
| S | .5 | 1.0 | 1.2 | .4 | | | | | | | | 3.0 | 6.7 |
| SSW | .7 | .8 | .4 | .1 | | | | | | | | 2.0 | 5.2 |
| SW | .3 | .5 | .2 | .1 | | | | | | | | 1.4 | 4.8 |
| WSW | .8 | .7 | .3 | .1 | | | | | | | | 1.9 | 4.7 |
| W | 1.4 | 1.6 | .7 | .1 | | | | | | | | 3.9 | 4.8 |
| WNW | .9 | 1.9 | .6 | .1 | | | | | | | | 3.6 | 5.0 |
| NW | 1.3 | 1.5 | 1.1 | .2 | | | | | | | | 4.1 | 5.3 |
| NNW | 1.4 | 1.4 | 1.1 | .7 | .0 | | | | | | | 4.4 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.1 | |
| | 17.4 | 29.3 | 27.4 | 18.5 | 1.3 | .0 | | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 7639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12H05 KSC SHUTTLE APT FL STATION NAME KSC SHUTTLE APT FL YEARS 60-78 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.4 | 1.9 | 2.2 | .1 | | | | | | | 6.8 | 8.3 |
| NNE | .2 | .8 | 1.0 | .3 | | | | | | | | 2.3 | 7.4 |
| NE | .3 | .8 | 1.0 | .7 | | | | | | | | 2.8 | 7.8 |
| ENE | 1.2 | 1.6 | 1.6 | .8 | | | | | | | | 5.1 | 6.3 |
| E | 1.9 | 3.7 | 4.0 | 1.0 | | | | | | | | 10.6 | 6.6 |
| ESE | 1.6 | 2.9 | 1.3 | .4 | | | | | | | | 6.2 | 5.3 |
| SE | .9 | 2.0 | .4 | | | | | | | | | 3.3 | 4.4 |
| SSE | 1.7 | 2.7 | .2 | | | | | | | | | 4.6 | 4.1 |
| S | 1.3 | 2.2 | 1.0 | .7 | | | | | | | | 5.2 | 5.9 |
| SSW | 1.7 | 1.1 | .8 | .2 | | | | | | | | 3.8 | 5.0 |
| SW | 1.2 | .6 | .6 | .1 | | | | | | | | 2.4 | 4.8 |
| WSW | 1.6 | 1.1 | .2 | | | | | | | | | 2.9 | 3.6 |
| W | 2.1 | 4.2 | .8 | .1 | | | | | | | | 7.2 | 4.7 |
| WNW | 1.6 | 3.2 | 2.7 | .4 | | | | | | | | 7.9 | 5.7 |
| NW | 2.2 | 5.2 | 3.1 | 1.3 | | | | | | | | 11.9 | 6.0 |
| NNW | 2.3 | 2.6 | 1.2 | .8 | | | | | | | | 6.9 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 22.8 | 36.0 | 21.8 | 8.1 | .1 | | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12809
STATION

KSC SHUTTLE APT FL
STATION NAME

59-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.3 | 1.6 | 1.9 | .1 | | | | | | | 5.9 | 8.4 |
| NNE | .2 | 1.0 | .9 | .2 | | | | | | | | 2.3 | 6.7 |
| NE | .6 | 1.3 | 1.6 | .7 | | | | | | | | 4.1 | 7.4 |
| ENE | 1.7 | 2.3 | .6 | .2 | | | | | | | | 4.8 | 4.9 |
| E | .1 | 2.8 | 3.0 | .9 | | | | | | | | 8.8 | 6.1 |
| ESE | 2.1 | 1.8 | 1.2 | .2 | | | | | | | | 5.3 | 4.9 |
| SE | 1.6 | 1.6 | .6 | | | | | | | | | 3.7 | 4.3 |
| SSE | .2 | .9 | .2 | | | | | | | | | 1.3 | 4.8 |
| S | 1.9 | 1.1 | .9 | .2 | | | | | | | | 4.1 | 5.1 |
| SSW | 1.0 | 1.7 | .3 | .1 | | | | | | | | 3.1 | 4.9 |
| SW | 1.6 | 1.0 | .4 | | | | | | | | | 3.0 | 3.8 |
| WSW | 1.7 | 1.4 | .4 | | | | | | | | | 3.6 | 4.0 |
| W | 2.9 | 4.3 | 1.0 | | | | | | | | | 8.2 | 4.3 |
| WNW | 2.1 | 3.6 | 1.4 | .2 | | | | | | | | 7.6 | 4.8 |
| NW | 3.2 | 4.7 | 4.8 | 1.0 | .1 | | | | | | | 14.6 | 6.5 |
| NNW | 2.4 | 4.1 | 2.3 | 1.0 | | | | | | | | 9.9 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.8 | |
| | 26.4 | 34.9 | 21.2 | 7.4 | .2 | | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12804 STATION KSC SHUTTLE APT FL STATION NAME 54-76 YEARS NOV MONTH 0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.7 | 1.8 | 1.5 | 1.0 | | | | | | | | 6.0 | 6.4 |
| NNE | .9 | .7 | .5 | .2 | | | | | | | | 2.6 | 5.5 |
| NE | .6 | 1.2 | 1.3 | .2 | | | | | | | | 3.6 | 6.3 |
| ENE | 1.7 | 1.7 | 1.5 | .8 | | | | | | | | 5.7 | 6.0 |
| E | 2.2 | 2.8 | 2.6 | .4 | | | | | | | | 8.0 | 5.7 |
| ESE | 1.4 | 2.2 | .4 | .1 | | | | | | | | 4.2 | 4.6 |
| SE | .3 | 1.4 | .2 | | | | | | | | | 2.0 | 4.4 |
| SSE | .6 | 1.0 | .2 | | | | | | | | | 2.0 | 4.1 |
| S | 1.2 | 1.2 | .6 | .3 | | | | | | | | 3.6 | 5.4 |
| SSW | 1.8 | 1.2 | .8 | | | | | | | | | 3.8 | 4.2 |
| SW | 1.6 | .6 | .4 | | | | | | | | | 2.6 | 3.7 |
| WSW | 1.6 | .7 | | | | | | | | | | 2.2 | 3.2 |
| W | 2.3 | 1.9 | .4 | | | | | | | | | 4.7 | 4.2 |
| WNW | 3.4 | 4.0 | 1.3 | .2 | | | | | | | | 9.0 | 4.7 |
| NW | 4.8 | 5.8 | 5.9 | 1.0 | .1 | | | | | | | 18.1 | 6.2 |
| NNW | 2.9 | 4.2 | 2.4 | 1.4 | | | | | | | | 11.4 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.7 | |
| | 28.2 | 22.3 | 20.8 | 6.8 | .1 | | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12862 STATION KSC SHUTTLE APT FL 59-78 YEARS NOV NORTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 1.9 | 4.8 | 2.7 | .7 | .1 | | | | | | 11.2 | 9.4 |
| NNE | .8 | 1.8 | 1.7 | 1.1 | | | | | | | | 5.3 | 7.3 |
| NE | .4 | 1.3 | 2.0 | 1.4 | | | | | | | | 5.2 | 8.0 |
| ENE | .4 | 1.7 | 2.9 | 2.1 | | | | | | | | 7.1 | 8.3 |
| E | 1.0 | 3.1 | 4.3 | 1.1 | | | | | | | | 9.6 | 7.3 |
| ESE | .7 | 1.9 | 2.2 | .3 | | | | | | | | 5.1 | 6.7 |
| SE | .4 | .3 | 2.1 | .2 | | | | | | | | 3.1 | 7.5 |
| SSE | .2 | .6 | 1.2 | .3 | | | | | | | | 2.3 | 7.3 |
| S | .4 | 1.7 | 1.7 | .6 | | | | | | | | 4.6 | 7.4 |
| SSW | 1.2 | .9 | 1.4 | 1.1 | | | | | | | | 4.7 | 7.1 |
| SW | .9 | 1.1 | 1.8 | | | | | | | | | 3.8 | 6.2 |
| WSW | .4 | 1.7 | .7 | .2 | | | | | | | | 3.0 | 5.9 |
| W | .9 | 1.9 | 1.2 | .7 | .1 | | | | | | | 4.8 | 6.2 |
| WNW | .8 | 1.6 | 2.2 | .1 | | | | | | | | 4.7 | 6.3 |
| NW | 1.4 | 2.7 | 3.6 | 2.6 | | | | | | | | 10.2 | 7.9 |
| NNW | 1.2 | 4.0 | 4.4 | 2.4 | .2 | | | | | | | 12.3 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 12.2 | 28.0 | 38.2 | 17.4 | 1.0 | .1 | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 12803 KSC SEATTLE APT FL STATION NAME 6-2-78 YEARS MONTH 1200-1400 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.3 | 5.3 | 7.4 | .4 | .1 | | | | | | 15.8 | 10.4 |
| NNE | .7 | 2.0 | 4.1 | 1.9 | .1 | | | | | | | 8.8 | 8.4 |
| NE | .4 | 2.2 | 2.7 | 1.3 | | | | | | | | 6.7 | 7.6 |
| ENE | .4 | 1.0 | 4.0 | 1.8 | | | | | | | | 7.2 | 8.5 |
| E | .4 | 3.2 | 4.9 | 2.1 | | | | | | | | 10.7 | 7.9 |
| ESE | .6 | 2.1 | 4.0 | .4 | | | | | | | | 7.1 | 7.0 |
| SE | .1 | .8 | 2.3 | 1.0 | .1 | | | | | | | 4.3 | 8.8 |
| SSE | .1 | 1.2 | 3.3 | 1.1 | | | | | | | | 5.8 | 8.1 |
| S | .4 | 1.2 | 1.8 | .6 | .1 | | | | | | | 4.3 | 7.9 |
| SSW | .1 | .2 | .7 | .6 | | | | | | | | 1.6 | 9.2 |
| SW | .1 | .4 | 2.2 | .6 | | | | | | | | 3.3 | 8.3 |
| WSW | .4 | .6 | 2.1 | .4 | | | | | | | | 3.3 | 7.9 |
| W | .7 | 1.6 | 1.2 | .7 | | | | | | | | 4.1 | 6.9 |
| WNW | .1 | 1.1 | 1.6 | 1.1 | | | | | | | | 3.9 | 8.9 |
| NW | .2 | 1.1 | 2.3 | .9 | | | | | | | | 4.6 | 8.1 |
| NNW | .3 | 1.6 | 2.3 | 3.3 | .3 | | | | | | | 7.9 | 9.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 5.1 | 22.7 | 44.9 | 25.4 | 1.1 | .1 | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 900

086

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12862 STATION KSC SHUTTLE APT FL 67-73 YEARS NOV NORTH
ALL KE. THEN CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.6 | 4.7 | 6.3 | 5.2 | .1 | | | | | | | 17.9 | 8.4 |
| NNE | .9 | 3.6 | 3.0 | 1.2 | | | | | | | | 8.7 | 7.0 |
| NE | 1.3 | 3.0 | 2.0 | .4 | | | | | | | | 6.8 | 6.0 |
| ENE | 1.1 | 2.9 | 3.6 | .7 | | | | | | | | 8.2 | 6.6 |
| E | 1.3 | 5.6 | 4.3 | 1.3 | | | | | | | | 13.1 | 6.4 |
| ESE | 1.4 | 3.8 | 2.4 | .3 | | | | | | | | 8.0 | 5.7 |
| SE | 1.7 | 2.0 | 1.9 | .4 | | | | | | | | 5.7 | 5.8 |
| SSE | .4 | 1.3 | 1.6 | .9 | | | | | | | | 4.2 | 7.4 |
| S | .3 | .2 | 2.1 | .3 | | | | | | | | 3.0 | 8.2 |
| SSW | .3 | .8 | .3 | | | | | | | | | 1.4 | 5.4 |
| SW | | .2 | .8 | .2 | | | | | | | | 1.2 | 8.5 |
| WSW | .2 | 1.1 | .7 | | | | | | | | | 2.0 | 6.1 |
| W | .2 | 1.6 | 1.4 | .8 | | | | | | | | 4.0 | 7.2 |
| WNW | .1 | 1.2 | 2.0 | .6 | | | | | | | | 3.9 | 7.7 |
| NW | .2 | 1.0 | 1.2 | .3 | .1 | | | | | | | 2.9 | 7.9 |
| NNW | .9 | 1.1 | 2.2 | 1.6 | .3 | | | | | | | 6.1 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.8 | |
| | 12.7 | 34.0 | 35.6 | 14.3 | .6 | | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12808
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.6 | 4.0 | 3.7 | 1.7 | | | | | | | | 13.9 | 5.4 |
| NNE | 2.1 | 2.7 | 1.1 | 1.1 | | | | | | | | 7.0 | 5.9 |
| NE | 2.4 | 1.1 | 1.3 | .7 | | | | | | | | 5.6 | 5.4 |
| ENE | 1.0 | 1.7 | 1.4 | 1.1 | | | | | | | | 6.0 | 6.3 |
| E | 4.4 | 4.1 | 1.8 | 1.6 | | | | | | | | 11.3 | 5.1 |
| ESE | 2.0 | 2.0 | .6 | .6 | | | | | | | | 5.6 | 4.3 |
| SE | 3.0 | 1.8 | .8 | | | | | | | | | 5.6 | 4.1 |
| SSE | 1.0 | 2.4 | .7 | .1 | | | | | | | | 4.8 | 4.8 |
| S | 1.0 | 2.3 | 1.1 | .4 | | | | | | | | 4.9 | 5.8 |
| SSW | .4 | .3 | .7 | | | | | | | | | 1.4 | 5.6 |
| SW | .4 | .3 | .4 | | | | | | | | | 1.2 | 4.8 |
| WSW | .8 | .9 | .3 | | | | | | | | | 2.0 | 4.4 |
| W | 2.6 | 3.1 | .8 | .2 | | | | | | | | 6.7 | 4.6 |
| WNW | .7 | 1.3 | .8 | .3 | | | | | | | | 3.1 | 5.9 |
| NW | 1.1 | 1.0 | .8 | .3 | | .1 | | | | | | 3.3 | 6.4 |
| NNW | 1.0 | 2.2 | 1.2 | .3 | .1 | | | | | | | 5.7 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.0 | |
| | 31.2 | 31.3 | 17.7 | 7.0 | .1 | .1 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12865 STATION KSC SHUTTLE APT FL STATION NAME 52-78 YEARS MONTH 2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.0 | 2.0 | 2.4 | 1.3 | | | | | | | | 8.6 | 6.7 |
| NNE | 1.4 | 1.3 | 1.3 | .0 | | | | | | | | 4.7 | 6.0 |
| NE | 1.0 | 1.1 | 1.0 | .0 | | | | | | | | 4.0 | 6.6 |
| ENE | 1.4 | 1.4 | 2.0 | .0 | | | | | | | | 5.7 | 6.8 |
| E | 3.0 | 3.8 | 3.6 | 1.4 | | | | | | | | 12.0 | 6.3 |
| ESE | 2.3 | 2.6 | .6 | .2 | | | | | | | | 5.7 | 4.3 |
| SE | 2.3 | 1.6 | .4 | | | | | | | | | 4.3 | 3.8 |
| SSE | 2.1 | 2.7 | 1.1 | .2 | | | | | | | | 6.1 | 4.4 |
| S | 1.3 | 1.7 | 1.0 | .7 | | | | | | | | 4.7 | 6.0 |
| SSW | .6 | 1.1 | .8 | .1 | | | | | | | | 2.6 | 5.4 |
| SW | 1.1 | .6 | .3 | | | | | | | | | 2.0 | 4.2 |
| WSW | .6 | .8 | .1 | | | | | | | | | 1.4 | 4.4 |
| W | 2.3 | 3.6 | 2.1 | .7 | | | | | | | | 8.7 | 5.2 |
| WNW | 1.8 | 2.6 | 1.6 | .0 | | | | | | | | 6.7 | 5.6 |
| NW | 2.3 | 2.3 | 2.0 | .7 | | | | | | | | 7.3 | 5.7 |
| NNW | 2.0 | 1.4 | 1.0 | .3 | | | | | | | | 4.8 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.9 | |
| | 27.7 | 31.2 | 21.6 | 8.7 | | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12800 STATION KSC SMITH APT FL 04-78 YEARS NORTH ALL HOURS (L.G.T.)
CLASS ALL
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.0 | 2.5 | 3.4 | 3.0 | .2 | .0 | | | | | | 10.5 | 3.1 |
| NNE | .9 | 1.7 | 1.7 | .5 | .0 | | | | | | | 5.2 | 6.9 |
| NE | .9 | 1.5 | 1.6 | .6 | | | | | | | | 4.8 | 6.3 |
| ENE | 1.2 | 1.8 | 2.2 | 1.0 | | | | | | | | 6.2 | 6.8 |
| E | 2.1 | 3.6 | 3.6 | 1.2 | | | | | | | | 10.5 | 6.4 |
| ESE | 1.2 | 2.4 | 1.6 | .3 | | | | | | | | 5.9 | 5.4 |
| SE | 1.3 | 1.4 | 1.1 | .2 | .0 | | | | | | | 4.0 | 5.4 |
| SSE | .9 | 1.6 | 1.1 | .3 | .0 | | | | | | | 3.9 | 5.4 |
| S | 1.0 | 1.5 | 1.3 | .3 | .0 | | | | | | | 4.3 | 6.4 |
| SSW | .9 | .9 | .7 | .3 | | | | | | | | 2.8 | 5.7 |
| SW | .9 | .6 | .9 | .1 | | | | | | | | 2.4 | 5.5 |
| WSW | .9 | 1.0 | .6 | .1 | | | | | | | | 2.6 | 5.0 |
| W | 1.4 | 2.8 | 1.1 | .4 | .0 | | | | | | | 6.0 | 5.3 |
| WNW | 1.4 | 2.3 | 1.7 | .5 | .0 | | | | | | | 5.8 | 5.9 |
| NW | 1.4 | 3.0 | 2.0 | 1.2 | .0 | .0 | | | | | | 9.1 | 6.0 |
| NNW | 1.7 | 2.7 | 2.2 | 1.3 | .1 | | | | | | | 8.1 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.5 | |
| | 20.8 | 31.3 | 27.7 | 12.1 | .4 | .0 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 12850 KSC SHUTTLE APT FL STATION NAME 62-78 YEARS DEC MONTH 0000-0200 HOURS (LST) CLASS ALL WEATHER CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .7 | 1.4 | 1.2 | .6 | | | | | | | | 4.1 | 5.8 |
| NNE | .7 | 1.6 | .4 | | | | | | | | | 2.9 | 4.7 |
| NE | .6 | .6 | .8 | .2 | | | | | | | | 2.4 | 5.8 |
| ENE | .6 | 1.1 | 1.3 | .2 | .2 | .1 | | | | | | 3.9 | 3.3 |
| E | 1.6 | 2.3 | 3.0 | 1.2 | | | | | | | | 7.7 | 7.2 |
| ESE | 1.4 | 1.7 | 1.4 | .2 | | | | | | | | 4.6 | 5.5 |
| SE | .6 | 1.6 | 1.2 | .2 | | | | | | | | 4.1 | 6.4 |
| SSE | .5 | 2.3 | 1.0 | .4 | | | | | | | | 4.2 | 5.2 |
| S | 2.2 | 3.3 | 1.9 | .3 | | | | | | | | 7.7 | 5.4 |
| SSW | 1.4 | 3.2 | 1.6 | 1.2 | | | | | | | | 7.4 | 6.3 |
| SW | 1.3 | 1.7 | 1.0 | | | | | | | | | 4.0 | 5.0 |
| WSW | 1.1 | 1.2 | .4 | | | | | | | | | 2.7 | 4.2 |
| W | 2.2 | 4.3 | 1.3 | .5 | | | | | | | | 8.3 | 5.3 |
| WNW | 1.8 | 3.9 | 2.7 | .5 | | | | | | | | 9.2 | 6.1 |
| NW | 2.2 | 4.3 | 3.2 | 1.0 | | | | | | | | 11.3 | 6.4 |
| NNW | 2.4 | 2.8 | 1.8 | .5 | | | | | | | | 7.3 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.2 | |
| | 21.6 | 37.3 | 24.5 | 8.7 | .2 | .1 | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12848 STATION KSC SHUTTLE APT FL 55-78 YEARS 061 NORTH
CLASS ALL WINDS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.4 | 1.6 | 1.0 | 1.4 | | | | | | | | 5.4 | 6.6 |
| NNE | .1 | .5 | | | | | | | | | | .6 | 4.7 |
| NE | .4 | .9 | .5 | | | | | | | | | 1.8 | 5.4 |
| ENE | .6 | .9 | .6 | .4 | .2 | | | | | | | 2.9 | 7.4 |
| E | .8 | 2.6 | 3.0 | 1.6 | | | | | | | | 8.0 | 7.4 |
| ESE | 1.5 | 1.5 | 1.4 | .5 | | | | | | | | 4.9 | 5.8 |
| SE | .6 | .6 | .9 | .4 | | | | | | | | 2.5 | 6.0 |
| SSE | .4 | 1.7 | 1.5 | .4 | | | | | | | | 4.3 | 7.0 |
| S | 1.5 | 3.2 | 1.5 | .4 | | | | | | | | 7.0 | 5.9 |
| SSW | 1.7 | 2.4 | 1.2 | .9 | | | | | | | | 6.1 | 6.0 |
| SW | 2.2 | 1.3 | .4 | .4 | | | | | | | | 4.3 | 4.4 |
| WSW | 1.4 | .9 | .1 | | | | | | | | | 2.8 | 3.5 |
| W | 3.5 | 3.3 | .4 | .4 | | | | | | | | 8.1 | 4.4 |
| WNW | 2.4 | 3.7 | 2.3 | 1.0 | | | | | | | | 9.9 | 6.0 |
| NW | 3.3 | 6.1 | 3.2 | 2.6 | .1 | | | | | | | 15.4 | 6.4 |
| NNW | 1.4 | 3.3 | 2.0 | .4 | | | | | | | | 7.8 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.2 | |
| | 24.3 | 34.5 | 21.4 | 11.3 | .3 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12825 STATION KSC SMITHFIELD APT FL 69-78 YEARS DEC NORTH
ALL WEATHER CLASS 0600-0600 HOURS (LST)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.0 | .8 | .3 | 1.1 | | | | | | | | 3.5 | 7.2 |
| NNE | .6 | .4 | .2 | .2 | | | | | | | | 1.5 | 5.5 |
| NE | .4 | .6 | .2 | | .1 | | | | | | | 1.7 | 5.1 |
| ENE | .6 | 1.0 | 1.3 | .3 | .2 | | | | | | | 3.4 | 7.7 |
| E | .2 | 2.2 | 1.6 | 1.5 | | | | | | | | 5.5 | 7.3 |
| ESE | 1.4 | 1.8 | 1.4 | .2 | | | | | | | | 5.2 | 6.0 |
| SE | .5 | 1.0 | .8 | .4 | | | | | | | | 2.7 | 6.7 |
| SSE | .2 | 1.1 | 1.1 | .4 | .1 | | | | | | | 3.2 | 7.3 |
| S | 1.4 | 2.2 | 2.3 | 1.0 | | | | | | | | 6.8 | 6.6 |
| SSW | 1.2 | 1.4 | 1.3 | .0 | | | | | | | | 4.5 | 6.5 |
| SW | 2.2 | 1.3 | .5 | .1 | | | | | | | | 4.4 | 4.1 |
| WSW | 2.0 | 1.1 | .1 | .1 | | | | | | | | 3.3 | 3.5 |
| W | 3.2 | 2.5 | 1.1 | .2 | .1 | | | | | | | 7.1 | 4.5 |
| WNW | 4.4 | 4.0 | 2.2 | .5 | | | | | | | | 11.1 | 5.0 |
| NW | 3.4 | 7.0 | 5.3 | 2.4 | | | | | | | | 18.1 | 6.4 |
| NNW | 2.9 | 3.7 | 1.3 | 1.3 | | | | | | | | 9.1 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.8 | |
| | 27.1 | 31.8 | 21.5 | 10.2 | .5 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12865 STATION KSC SHUTTLE APT FL 51-76 YEARS 01C MONTH 0900-1100 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.8 | 3.9 | 2.1 | | | | | | | | 8.7 | 3.1 |
| NNE | .2 | .6 | 1.1 | .4 | | | | | | | | 3.0 | 7.2 |
| NE | | .3 | .0 | .4 | | | | | | | | 1.4 | 8.8 |
| ENE | .1 | .3 | 2.2 | 1.0 | | .1 | | | | | | 3.7 | 9.6 |
| E | .0 | 1.1 | 3.4 | 1.0 | .2 | | | | | | | 6.7 | 8.3 |
| ESE | .1 | .6 | 2.5 | 1.0 | | | | | | | | 4.2 | 8.5 |
| SE | .6 | 1.3 | 1.8 | .7 | | | | | | | | 4.6 | 7.2 |
| SSE | .4 | 1.0 | 1.5 | 1.2 | | | | | | | | 4.1 | 8.4 |
| S | 1.2 | 1.7 | 4.2 | 2.5 | | | | | | | | 9.6 | 8.3 |
| SSW | .3 | .9 | 1.4 | 1.1 | .1 | | | | | | | 3.8 | 8.9 |
| SW | .0 | 1.6 | 1.7 | .4 | | | | | | | | 4.4 | 6.9 |
| WSW | .5 | 2.4 | .0 | .4 | | | | | | | | 4.0 | 5.9 |
| W | 1.3 | 1.8 | 2.2 | 1.1 | .1 | | | | | | | 6.5 | 7.2 |
| WNW | .9 | 1.5 | 1.9 | 2.2 | .1 | .1 | | | | | | 6.7 | 8.6 |
| NW | 1.3 | 2.9 | 0.7 | 2.0 | | | | | | | | 13.7 | 7.9 |
| NNW | 1.5 | 3.1 | 3.9 | 2.3 | .5 | | | | | | | 11.3 | 7.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.9 | |
| | 11.1 | 23.0 | 39.6 | 21.2 | 1.1 | .4 | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12800 STATION KSC SHUTTLE APT FL 40-78 YEARS DEC MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | 2.5 | 5.2 | 5.4 | .4 | .2 | | | | | | 14.1 | 10.0 |
| NNE | .3 | 1.6 | 2.4 | 1.0 | | | | | | | | 5.3 | 7.0 |
| NE | .2 | .9 | .9 | .0 | | | | | | | | 2.9 | 7.5 |
| ENE | .4 | 1.7 | 2.3 | .4 | .1 | | | | | | | 4.0 | 7.4 |
| E | .4 | 1.9 | 3.7 | 1.2 | .3 | | | | | | | 7.5 | 8.3 |
| ESE | | 1.3 | 2.5 | 1.3 | | | | | | | | 5.1 | 8.7 |
| SE | .1 | .6 | 2.6 | 1.0 | | | | | | | | 4.9 | 9.2 |
| SSE | .2 | 1.1 | 4.5 | 2.6 | | | | | | | | 8.6 | 9.3 |
| S | .0 | 2.0 | 3.9 | 2.0 | .1 | | | | | | | 8.7 | 8.4 |
| SSW | .5 | .6 | 2.5 | 1.2 | .2 | | | | | | | 5.1 | 9.0 |
| SW | .1 | .5 | 1.5 | 1.3 | .1 | | | | | | | 3.5 | 9.5 |
| WSW | .1 | 1.5 | 1.3 | .5 | | | | | | | | 3.4 | 7.6 |
| W | .1 | 1.2 | 1.6 | 2.4 | .2 | | | | | | | 5.5 | 10.1 |
| WNW | .2 | 1.5 | 2.6 | 2.0 | | | | | | | | 6.3 | 8.8 |
| NW | .1 | 1.0 | 2.5 | 1.2 | | | | | | | | 4.7 | 8.6 |
| NNW | .3 | 1.4 | 2.6 | 3.9 | .1 | | | | | | | 8.5 | 9.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .9 | |
| | 4.5 | 21.4 | 42.5 | 28.8 | 1.6 | .3 | | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 2.2 | 6.8 | 3.9 | .4 | | | | | | | 14.4 | 9.1 |
| NNE | 1.1 | 2.9 | 1.7 | .5 | | | | | | | | 6.2 | 6.1 |
| NE | 1.1 | 2.2 | .5 | | | | | | | | | 3.8 | 4.6 |
| ENE | .6 | 1.7 | 1.5 | .2 | .5 | | | | | | | 4.6 | 7.0 |
| E | 2.0 | 2.8 | 2.7 | 1.3 | .1 | | | | | | | 8.9 | 6.8 |
| ESE | .9 | 2.4 | 3.4 | .4 | | | | | | | | 7.1 | 6.7 |
| SE | 1.3 | 3.8 | 3.7 | .0 | | | | | | | | 9.4 | 6.5 |
| SSE | .1 | 3.3 | 4.1 | 1.7 | | | | | | | | 9.2 | 8.0 |
| S | .2 | 1.8 | 1.6 | 1.0 | | | | | | | | 4.6 | 7.6 |
| SSW | .1 | .4 | 1.3 | .3 | | | | | | | | 2.2 | 8.3 |
| SW | .2 | .4 | 1.0 | .3 | .2 | | | | | | | 2.2 | 9.1 |
| WSW | .2 | .6 | 1.3 | .2 | | | | | | | | 2.4 | 7.5 |
| W | 1.1 | 1.3 | 2.7 | 1.7 | .2 | | | | | | | 7.0 | 8.2 |
| WNW | .4 | 1.6 | 2.0 | .6 | | | | | | | | 4.7 | 7.6 |
| NW | .2 | 1.3 | 1.1 | .5 | | | | | | | | 3.1 | 7.5 |
| NNW | 1.2 | 3.0 | 2.7 | 1.2 | .1 | | | | | | | 8.2 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 11.9 | 31.7 | 38.1 | 14.6 | 1.6 | | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12802 STATION KSC SHUTTLE APT FL 67-78 YEARS JLL MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.2 | 2.9 | 3.2 | .0 | | | | | | | | 10.1 | 5.6 |
| NNE | 1.6 | 1.4 | .9 | .6 | | | | | | | | 4.5 | 6.0 |
| NE | 1.5 | 1.5 | .1 | .2 | | | | | | | | 3.7 | 5.3 |
| ENE | 2.0 | 1.1 | 1.1 | .4 | .3 | | | | | | | 5.0 | 6.3 |
| E | 1.9 | 2.3 | 2.7 | 1.1 | .1 | | | | | | | 8.1 | 6.7 |
| ESE | 1.5 | 4.3 | 1.0 | .3 | | | | | | | | 7.8 | 5.2 |
| SE | 1.0 | 3.0 | 1.6 | .2 | | | | | | | | 6.5 | 5.2 |
| SSE | 1.1 | 3.4 | 3.2 | 1.0 | | | | | | | | 8.7 | 6.2 |
| S | 1.0 | 1.5 | 2.3 | .1 | | | | | | | | 4.8 | 5.7 |
| SSW | .3 | 1.5 | 1.3 | .3 | | | | | | | | 3.4 | 6.7 |
| SW | | .4 | .9 | .2 | | | | | | | | 1.5 | 7.9 |
| WSW | .1 | .5 | .5 | .1 | | | | | | | | 1.3 | 6.6 |
| W | .9 | 2.9 | 1.5 | .2 | | | | | | | | 5.5 | 5.7 |
| WNW | 2.0 | 1.8 | 1.2 | .4 | | | | | | | | 5.5 | 5.1 |
| NW | 1.7 | 2.4 | 2.9 | | | | | | | | | 7.0 | 5.7 |
| NNW | 1.6 | 3.7 | .8 | .2 | | | | | | | | 6.2 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.3 | |
| | 22.2 | 34.7 | 25.8 | 6.6 | .4 | | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12843 STATION KSC SHUTTLE APT FL STATION NAME 54-78 YEARS JEC MONTH 2100-2300 HOURS (L.S.T.)
ALL TIME CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.2 | 2.5 | 1.2 | .6 | | | | | | | | 6.5 | 5.5 |
| NNE | 1.1 | .8 | .9 | .4 | | | | | | | | 3.1 | 5.9 |
| NE | 1.0 | 1.1 | .5 | .5 | | | | | | | | 3.1 | 6.1 |
| ENE | .9 | 1.1 | .4 | 1.4 | .2 | .1 | | | | | | 4.1 | 8.8 |
| E | 1.2 | 2.2 | 1.3 | .6 | .1 | | | | | | | 7.5 | 6.7 |
| ESE | 1.5 | 3.3 | 1.4 | .1 | .1 | | | | | | | 6.9 | 5.6 |
| SE | .8 | 3.1 | .8 | .6 | | | | | | | | 5.3 | 5.7 |
| SSE | 1.3 | 2.5 | 2.3 | .1 | | | | | | | | 6.4 | 5.9 |
| S | 1.7 | 4.0 | 2.7 | .9 | .1 | | | | | | | 9.4 | 6.3 |
| SSW | .5 | .9 | 1.6 | .2 | | | | | | | | 3.5 | 7.0 |
| SW | 1.1 | 1.7 | .9 | .4 | | | | | | | | 4.1 | 5.7 |
| WSW | .5 | 1.4 | .5 | | | | | | | | | 2.5 | 5.0 |
| W | 1.8 | 2.6 | 1.9 | .4 | | | | | | | | 6.8 | 5.6 |
| WNW | 2.2 | 2.8 | 2.4 | .6 | .1 | | | | | | | 8.2 | 6.2 |
| NW | 2.1 | 3.9 | 1.7 | 1.0 | | | | | | | | 8.6 | 5.8 |
| NNW | 1.1 | 1.9 | 1.4 | | | | | | | | | 4.4 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.6 | |
| | 20.8 | 35.7 | 24.6 | 8.4 | .6 | .1 | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

62-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 2.0 | 2.9 | 2.0 | .1 | .0 | | | | | | 8.4 | 7.9 |
| NNE | .8 | 1.2 | .9 | .4 | | | | | | | | 3.4 | 6.3 |
| NE | .7 | 1.0 | .5 | .3 | .2 | | | | | | | 2.6 | 5.9 |
| ENE | .6 | 1.1 | 1.3 | .6 | .2 | .0 | | | | | | 4.1 | 7.8 |
| E | 1.1 | 2.2 | 3.0 | 1.2 | .1 | | | | | | | 7.5 | 7.4 |
| ESE | 1.0 | 2.1 | 2.0 | .6 | .0 | | | | | | | 5.7 | 6.4 |
| SE | .8 | 1.9 | 1.7 | .6 | | | | | | | | 5.0 | 6.6 |
| SSE | .6 | 2.0 | 2.4 | 1.1 | .0 | | | | | | | 6.1 | 7.4 |
| S | 1.2 | 2.5 | 2.5 | 1.1 | .0 | | | | | | | 7.3 | 6.9 |
| SSW | .8 | 1.4 | 1.5 | .7 | .0 | | | | | | | 4.5 | 7.2 |
| SW | 1.0 | 1.1 | 1.0 | .4 | .0 | | | | | | | 3.6 | 6.2 |
| WSW | .8 | 1.2 | .6 | .2 | | | | | | | | 2.8 | 5.4 |
| W | 1.4 | 2.5 | 1.6 | .9 | .1 | | | | | | | 6.8 | 6.2 |
| WNW | 1.8 | 2.6 | 2.2 | 1.0 | .0 | .0 | | | | | | 7.7 | 6.5 |
| NW | 1.8 | 3.6 | 3.3 | 1.5 | .0 | | | | | | | 10.2 | 6.7 |
| NNW | 1.6 | 2.9 | 2.1 | 1.2 | .1 | | | | | | | 7.9 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.5 | |
| | 17.9 | 31.3 | 29.7 | 13.7 | .8 | .1 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS

7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12808 STATION KSC SHUTTLE APT FL 64-79 YEARS ALL MONTH ALL HOURS (L.S.T.)
ALL OF THIS CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.2 | 1.4 | 1.4 | 1.6 | .1 | .0 | | | | | | 6.2 | 7.9 |
| NNE | .7 | 1.1 | 1.3 | .7 | .0 | .0 | | | | | | 3.9 | 7.3 |
| NE | .0 | 1.3 | 1.3 | .5 | .0 | .0 | | | | | | 3.8 | 6.8 |
| ENE | .9 | 1.6 | 2.0 | .8 | .1 | .0 | | | | | | 5.4 | 7.2 |
| E | 1.8 | 3.7 | 4.4 | 1.5 | .0 | .0 | | | | | | 11.5 | 6.9 |
| ESE | 1.7 | 2.9 | 3.1 | .8 | .0 | .0 | | | | | | 8.6 | 6.4 |
| SE | 1.4 | 2.3 | 2.4 | .3 | .0 | .0 | | | | | | 7.0 | 6.6 |
| SSE | 1.1 | 2.3 | 2.6 | 1.4 | .0 | .0 | | | | | | 7.4 | 7.3 |
| S | 1.6 | 2.6 | 2.4 | 1.1 | .1 | .0 | .0 | | | | | 7.8 | 6.7 |
| SSW | 1.2 | 1.7 | 1.0 | .5 | .0 | .0 | | | | | | 4.4 | 6.0 |
| SW | 1.0 | 1.2 | 1.0 | .5 | .0 | .0 | | | | | | 3.7 | 6.3 |
| WSW | .3 | 1.3 | .9 | .4 | .0 | .0 | | | | | | 3.6 | 6.3 |
| W | 1.3 | 2.1 | 1.2 | .7 | .1 | .0 | .0 | | | | | 5.6 | 6.2 |
| WNW | 1.0 | 1.4 | 1.0 | .5 | .1 | .0 | | | | | | 4.0 | 6.4 |
| NW | 1.1 | 1.7 | 1.4 | .7 | .0 | .0 | | | | | | 4.9 | 6.5 |
| NNW | 1.1 | 1.6 | 1.2 | .9 | .1 | .0 | | | | | | 4.9 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.5 | |
| | 18.6 | 30.1 | 29.2 | 13.5 | .8 | .1 | .0 | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 87607

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12808
STATION

KSC SUTTLE APT FL
STATION NAME

59-79
YEARS

ALL
MONTH

INSTRUMENT

CLASS

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/ CIG 200 FT OR MORE

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | 2.6 | 5.3 | 4.9 | .3 | | | | | | | 14.4 | 7.0 |
| NNE | .4 | .5 | .8 | .5 | | .1 | | | | | | 2.3 | 8.2 |
| NE | .4 | .5 | .5 | .3 | | | | | | | | 1.7 | 7.0 |
| ENE | .1 | .4 | .4 | .3 | | | | | | | | 1.1 | 8.0 |
| E | .2 | .7 | .7 | .8 | | | | | | | | 2.5 | 7.4 |
| ESE | .2 | .4 | .5 | .4 | .2 | | | | | | | 1.7 | 8.9 |
| SE | .4 | .3 | .5 | .2 | .0 | | | | | | | 1.5 | 7.3 |
| SSE | .3 | .5 | .2 | .4 | | | | | | | | 1.4 | 7.1 |
| S | 1.1 | .8 | 1.4 | 1.6 | .0 | .0 | | | | | | 5.0 | 8.4 |
| SSW | .0 | 1.2 | 1.3 | 1.6 | | | | | | | | 4.9 | 8.2 |
| SW | 1.0 | 1.4 | 1.7 | .9 | .0 | .0 | | | | | | 5.2 | 7.3 |
| WSW | 1.2 | 1.9 | 2.0 | .8 | .0 | | | | | | | 5.9 | 6.7 |
| W | 2.4 | 3.4 | 1.7 | 1.2 | .1 | .1 | | | | | | 9.0 | 6.4 |
| WNW | 2.3 | 2.3 | 1.7 | 1.2 | .2 | .0 | | | | | | 7.8 | 6.8 |
| NW | 1.9 | 2.5 | 3.4 | 1.7 | | .1 | | | | | | 9.6 | 7.3 |
| NNW | 2.2 | 4.1 | 4.9 | 5.6 | .5 | | | | | | | 17.3 | 8.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.8 | |
| | 16.3 | 23.5 | 27.1 | 22.1 | 1.6 | .5 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS

2118

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|------|------|-----|------|------|------|-----|-----|-----|--------|-----|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | 91.0 | | | | | | | | | | | 92.6 |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | 97.4 | | | | | | 98.1 |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | 94.4 | 96.9 | | 98.3 | | | | | | | | 100.0 |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 93.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1280R KSC SHUTTLE APT FL

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 20 |
| 20000 | 52.6 | 58.6 | 59.4 | 59.6 | 60.3 | 60.3 | 60.6 | 60.6 | 60.6 | 61.2 | 61.2 | 61.2 | 62.1 | 62.1 | 62.4 | 62.4 |
| 18000 | 58.7 | 64.8 | 65.4 | 66.0 | 66.6 | 66.6 | 67.2 | 67.2 | 67.2 | 67.8 | 67.8 | 67.8 | 68.7 | 68.7 | 69.0 | 69.0 |
| 16000 | 59.0 | 65.1 | 65.8 | 66.3 | 67.0 | 67.0 | 67.5 | 67.5 | 67.5 | 68.1 | 68.1 | 68.1 | 69.0 | 69.0 | 69.3 | 69.3 |
| 14000 | 59.8 | 66.1 | 66.7 | 67.3 | 67.9 | 67.9 | 68.5 | 68.5 | 68.5 | 69.1 | 69.1 | 69.1 | 70.0 | 70.0 | 70.3 | 70.3 |
| 12000 | 60.8 | 67.1 | 67.8 | 68.4 | 69.0 | 69.0 | 69.5 | 69.5 | 69.5 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.4 | 71.4 |
| 10000 | 61.9 | 68.2 | 69.0 | 69.5 | 70.2 | 70.2 | 70.7 | 70.7 | 70.7 | 71.4 | 71.4 | 71.4 | 72.2 | 72.2 | 72.6 | 72.6 |
| 8000 | 64.7 | 71.4 | 72.1 | 72.7 | 73.3 | 73.3 | 73.8 | 73.8 | 73.8 | 74.5 | 74.5 | 74.5 | 75.3 | 75.3 | 75.7 | 75.7 |
| 6000 | 65.8 | 73.2 | 74.0 | 74.5 | 75.1 | 75.1 | 75.7 | 75.7 | 75.7 | 76.3 | 76.3 | 76.3 | 77.2 | 77.2 | 77.5 | 77.5 |
| 4000 | 67.2 | 74.9 | 75.7 | 76.2 | 76.9 | 76.9 | 77.4 | 77.4 | 77.4 | 78.0 | 78.0 | 78.0 | 78.9 | 78.9 | 79.2 | 79.2 |
| 2000 | 68.2 | 76.1 | 76.9 | 77.4 | 78.0 | 78.0 | 78.6 | 78.6 | 78.6 | 79.2 | 79.2 | 79.2 | 80.1 | 80.1 | 80.4 | 80.4 |
| 0 | 68.7 | 76.7 | 77.5 | 78.0 | 78.7 | 78.7 | 79.2 | 79.2 | 79.2 | 79.9 | 79.9 | 79.9 | 80.7 | 80.7 | 81.1 | 81.1 |
| 20000 | 70.1 | 78.7 | 79.4 | 80.0 | 80.7 | 80.7 | 81.3 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 82.8 | 82.8 | 83.1 | 83.1 |
| 18000 | 72.3 | 81.3 | 82.2 | 82.8 | 83.5 | 83.5 | 84.1 | 84.1 | 84.1 | 84.7 | 84.7 | 84.7 | 85.6 | 85.6 | 85.9 | 85.9 |
| 16000 | 73.0 | 82.6 | 83.3 | 83.9 | 84.7 | 84.7 | 85.3 | 85.3 | 85.3 | 85.9 | 85.9 | 85.9 | 86.8 | 86.8 | 87.1 | 87.1 |
| 14000 | 75.1 | 85.1 | 85.9 | 86.4 | 87.4 | 87.4 | 87.9 | 87.9 | 87.9 | 88.6 | 88.6 | 88.6 | 89.5 | 89.5 | 89.8 | 89.8 |
| 12000 | 76.9 | 87.3 | 88.2 | 88.7 | 89.4 | 89.4 | 90.4 | 90.4 | 90.4 | 91.1 | 91.1 | 91.1 | 91.9 | 91.9 | 92.2 | 92.2 |
| 10000 | 78.1 | 89.0 | 89.9 | 90.4 | 91.6 | 91.6 | 92.1 | 92.1 | 92.1 | 92.8 | 92.8 | 92.8 | 93.6 | 93.6 | 94.0 | 94.0 |
| 8000 | 79.5 | 91.5 | 92.4 | 92.9 | 94.1 | 94.1 | 94.6 | 94.6 | 94.6 | 95.3 | 95.3 | 95.3 | 96.1 | 96.1 | 96.4 | 96.4 |
| 6000 | 80.0 | 92.1 | 93.0 | 93.5 | 94.7 | 94.7 | 95.3 | 95.3 | 95.3 | 95.9 | 95.9 | 95.9 | 96.8 | 96.8 | 97.1 | 97.1 |
| 4000 | 80.2 | 92.5 | 93.3 | 93.9 | 95.2 | 95.2 | 95.7 | 95.7 | 95.7 | 96.3 | 96.3 | 96.3 | 97.2 | 97.2 | 97.5 | 97.5 |
| 2000 | 80.6 | 92.9 | 93.8 | 94.3 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 98.0 | 98.0 |
| 0 | 80.7 | 93.0 | 94.0 | 94.5 | 95.8 | 95.8 | 96.3 | 96.3 | 96.3 | 97.0 | 97.0 | 97.0 | 97.8 | 97.8 | 98.2 | 98.2 |
| 20000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 18000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 16000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 14000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 12000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 10000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 8000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 6000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 4000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 2000 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |
| 0 | 80.7 | 93.2 | 94.2 | 94.7 | 96.0 | 96.0 | 96.6 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R

KSC SHUTTLE APT FL

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 20 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| NO CEILING 20000 | 46.5 | 54.9 | 55.5 | 56.6 | 57.4 | 57.4 | 57.5 | 57.8 | 57.8 | 59.0 | 59.0 | 59.0 | 60.0 | 60.0 | 60.3 | 60.3 |
| 18000 | 54.3 | 63.1 | 63.9 | 65.2 | 66.2 | 66.2 | 66.3 | 66.6 | 66.6 | 67.9 | 67.9 | 67.9 | 68.9 | 68.9 | 69.2 | 69.2 |
| 16000 | 54.3 | 63.1 | 63.9 | 65.2 | 66.2 | 66.2 | 66.3 | 66.6 | 66.6 | 67.9 | 67.9 | 67.9 | 68.9 | 68.9 | 69.2 | 69.2 |
| 14000 | 54.8 | 63.8 | 64.7 | 66.0 | 67.0 | 67.0 | 67.1 | 67.4 | 67.4 | 68.7 | 68.7 | 68.7 | 69.6 | 69.6 | 70.0 | 70.0 |
| 12000 | 55.4 | 64.5 | 65.3 | 66.6 | 67.6 | 67.6 | 67.7 | 68.0 | 68.0 | 69.3 | 69.3 | 69.3 | 70.3 | 70.3 | 70.6 | 70.6 |
| 10000 | 56.7 | 65.8 | 66.6 | 67.9 | 68.9 | 68.9 | 69.0 | 69.3 | 69.3 | 70.6 | 70.6 | 70.6 | 71.6 | 71.6 | 71.9 | 71.9 |
| 9000 | 59.1 | 68.6 | 69.4 | 70.7 | 71.7 | 71.7 | 71.8 | 72.1 | 72.1 | 73.4 | 73.4 | 73.4 | 74.7 | 74.7 | 75.0 | 75.0 |
| 8000 | 60.7 | 70.6 | 71.7 | 73.0 | 74.0 | 74.0 | 74.1 | 74.4 | 74.4 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.3 | 77.3 |
| 7000 | 60.9 | 70.8 | 71.9 | 73.2 | 74.2 | 74.2 | 74.3 | 74.6 | 74.6 | 75.9 | 75.9 | 75.9 | 77.2 | 77.2 | 77.5 | 77.5 |
| 6000 | 61.2 | 71.4 | 72.4 | 73.7 | 74.7 | 74.7 | 74.8 | 75.1 | 75.1 | 76.4 | 76.4 | 76.4 | 77.7 | 77.7 | 78.0 | 78.0 |
| 5000 | 61.7 | 72.2 | 73.3 | 74.6 | 75.6 | 75.6 | 75.8 | 76.1 | 76.1 | 77.4 | 77.4 | 77.4 | 78.7 | 78.7 | 79.0 | 79.0 |
| 4500 | 63.4 | 74.1 | 75.1 | 76.4 | 77.4 | 77.4 | 77.6 | 78.0 | 78.0 | 79.3 | 79.3 | 79.3 | 80.6 | 80.6 | 80.9 | 80.9 |
| 4000 | 65.4 | 77.1 | 78.3 | 79.5 | 80.5 | 80.5 | 80.7 | 81.2 | 81.2 | 82.5 | 82.5 | 82.5 | 83.7 | 83.7 | 84.1 | 84.1 |
| 3500 | 66.8 | 78.7 | 79.9 | 81.2 | 82.2 | 82.2 | 82.3 | 82.9 | 82.9 | 84.2 | 84.2 | 84.2 | 85.5 | 85.5 | 85.8 | 85.8 |
| 3000 | 68.4 | 80.5 | 81.7 | 83.0 | 84.1 | 84.1 | 84.3 | 84.7 | 84.7 | 86.0 | 86.0 | 86.0 | 87.3 | 87.3 | 87.6 | 87.6 |
| 2500 | 69.3 | 82.5 | 83.6 | 85.0 | 86.3 | 86.3 | 87.0 | 87.4 | 87.4 | 88.7 | 88.7 | 88.7 | 90.0 | 90.0 | 90.3 | 90.3 |
| 2000 | 70.1 | 83.3 | 84.6 | 86.1 | 87.6 | 87.6 | 88.1 | 88.5 | 88.5 | 89.8 | 89.8 | 89.8 | 91.1 | 91.1 | 91.4 | 91.4 |
| 1800 | 70.9 | 84.7 | 86.1 | 87.6 | 89.2 | 89.2 | 89.7 | 90.1 | 90.1 | 91.4 | 91.4 | 91.4 | 92.7 | 92.7 | 93.0 | 93.0 |
| 1500 | 71.3 | 85.4 | 86.8 | 88.3 | 89.9 | 89.9 | 90.3 | 90.7 | 90.7 | 92.0 | 92.0 | 92.0 | 93.3 | 93.3 | 93.6 | 93.6 |
| 1200 | 71.4 | 85.8 | 87.3 | 88.8 | 90.4 | 90.4 | 90.9 | 91.3 | 91.3 | 92.6 | 92.6 | 92.6 | 93.9 | 93.9 | 94.2 | 94.2 |
| 1000 | 71.6 | 86.2 | 87.7 | 89.3 | 91.0 | 91.0 | 91.4 | 91.8 | 91.8 | 93.1 | 93.1 | 93.1 | 94.4 | 94.4 | 94.7 | 94.7 |
| 900 | 71.7 | 86.5 | 88.1 | 89.7 | 91.3 | 91.3 | 91.8 | 92.2 | 92.2 | 93.5 | 93.5 | 93.5 | 94.8 | 94.8 | 95.2 | 95.2 |
| 800 | 72.1 | 87.4 | 88.9 | 90.5 | 92.2 | 92.2 | 92.8 | 93.2 | 93.2 | 94.5 | 94.5 | 94.5 | 95.8 | 95.8 | 96.1 | 96.1 |
| 700 | 72.4 | 87.8 | 89.3 | 91.0 | 92.7 | 92.7 | 93.2 | 93.6 | 93.6 | 94.9 | 94.9 | 94.9 | 96.2 | 96.2 | 96.6 | 96.6 |
| 600 | 72.6 | 88.2 | 89.7 | 91.3 | 93.0 | 93.0 | 93.5 | 94.0 | 94.0 | 95.4 | 95.4 | 95.4 | 96.8 | 96.8 | 97.1 | 97.1 |
| 500 | 72.8 | 89.2 | 90.7 | 92.4 | 94.1 | 94.1 | 94.6 | 95.0 | 95.0 | 96.4 | 96.4 | 96.4 | 97.8 | 97.8 | 98.2 | 98.2 |
| 400 | 72.8 | 89.6 | 91.1 | 92.7 | 94.4 | 94.4 | 94.9 | 95.4 | 95.4 | 96.8 | 96.8 | 96.8 | 98.2 | 98.2 | 98.7 | 98.7 |
| 300 | 72.8 | 90.1 | 91.6 | 93.2 | 94.9 | 94.9 | 95.3 | 95.9 | 95.9 | 97.3 | 97.3 | 97.3 | 98.7 | 98.7 | 99.2 | 99.2 |
| 200 | 72.8 | 90.1 | 91.6 | 93.4 | 95.2 | 95.2 | 95.7 | 96.1 | 96.1 | 97.5 | 97.5 | 97.5 | 98.9 | 98.9 | 99.3 | 99.3 |
| 100 | 72.8 | 90.1 | 91.6 | 93.4 | 95.2 | 95.2 | 95.7 | 96.1 | 96.1 | 97.5 | 97.5 | 97.5 | 98.9 | 98.9 | 99.3 | 99.3 |
| 0 | 72.8 | 90.1 | 91.6 | 93.4 | 95.2 | 95.2 | 95.7 | 96.1 | 96.1 | 97.5 | 97.5 | 97.5 | 98.9 | 98.9 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808

KSC SHUTTLE APT FL

10-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|-------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ .001 |
| NO CEILING | 36.4 | 42.9 | 44.1 | 44.9 | 46.0 | 46.0 | 46.7 | 47.4 | 47.4 | 48.4 | 48.9 | 48.9 | 50.4 | 50.4 | 52.1 | 53.9 |
| ≥ 2000 | 46.3 | 54.1 | 55.3 | 56.2 | 57.7 | 57.7 | 58.4 | 59.3 | 59.3 | 60.4 | 60.9 | 60.9 | 62.9 | 62.9 | 64.8 | 66.4 |
| ≥ 1800 | 46.3 | 54.4 | 55.3 | 56.4 | 57.9 | 57.9 | 58.7 | 59.5 | 59.5 | 60.6 | 61.1 | 61.1 | 63.1 | 63.1 | 65.0 | 66.6 |
| ≥ 1600 | 47.0 | 55.0 | 56.2 | 57.1 | 58.6 | 58.6 | 59.3 | 60.2 | 60.2 | 61.2 | 61.8 | 61.8 | 63.7 | 63.7 | 65.7 | 67.3 |
| ≥ 1400 | 47.8 | 55.9 | 57.1 | 58.0 | 59.5 | 59.5 | 60.3 | 61.1 | 61.1 | 62.2 | 62.8 | 62.8 | 64.7 | 64.7 | 66.6 | 68.2 |
| ≥ 1200 | 48.8 | 57.1 | 58.2 | 59.2 | 60.7 | 60.7 | 61.5 | 62.3 | 62.3 | 63.4 | 63.9 | 63.9 | 65.9 | 65.9 | 67.9 | 69.5 |
| ≥ 1000 | 51.1 | 59.4 | 61.0 | 62.3 | 63.8 | 63.8 | 64.6 | 65.4 | 65.4 | 66.5 | 67.1 | 67.1 | 69.0 | 69.0 | 71.0 | 72.7 |
| ≥ 900 | 52.4 | 61.2 | 62.4 | 63.7 | 65.2 | 65.2 | 66.0 | 66.8 | 66.8 | 67.9 | 68.5 | 68.5 | 70.4 | 70.4 | 72.4 | 74.1 |
| ≥ 800 | 53.2 | 62.2 | 63.4 | 64.7 | 66.2 | 66.2 | 67.0 | 67.8 | 67.8 | 68.9 | 69.4 | 69.4 | 71.4 | 71.4 | 73.4 | 75.0 |
| ≥ 700 | 54.1 | 63.4 | 64.6 | 65.9 | 67.4 | 67.4 | 68.2 | 69.0 | 69.0 | 70.1 | 70.6 | 70.6 | 72.6 | 72.6 | 74.6 | 76.2 |
| ≥ 600 | 55.5 | 65.2 | 66.4 | 67.7 | 69.2 | 69.2 | 70.0 | 70.8 | 70.8 | 71.9 | 72.4 | 72.4 | 74.4 | 74.4 | 76.4 | 78.0 |
| ≥ 500 | 56.3 | 66.2 | 67.4 | 68.7 | 70.2 | 70.2 | 70.9 | 71.8 | 71.8 | 72.9 | 73.4 | 73.4 | 75.3 | 75.3 | 77.3 | 79.1 |
| ≥ 450 | 57.9 | 68.5 | 69.8 | 71.0 | 72.6 | 72.6 | 73.4 | 74.3 | 74.3 | 75.3 | 75.9 | 75.9 | 77.8 | 77.8 | 80.0 | 81.6 |
| ≥ 400 | 58.6 | 69.2 | 70.5 | 71.8 | 73.3 | 73.3 | 74.2 | 75.0 | 75.0 | 76.1 | 76.6 | 76.6 | 78.6 | 78.6 | 80.7 | 82.3 |
| ≥ 350 | 60.5 | 72.0 | 73.3 | 74.6 | 76.1 | 76.2 | 77.0 | 77.8 | 77.8 | 79.0 | 79.5 | 79.5 | 81.5 | 81.5 | 83.6 | 85.3 |
| ≥ 300 | 61.9 | 74.1 | 75.3 | 76.6 | 78.1 | 78.3 | 79.1 | 80.0 | 80.0 | 81.2 | 81.7 | 81.7 | 83.6 | 83.6 | 85.8 | 87.4 |
| ≥ 250 | 62.9 | 75.3 | 76.6 | 78.0 | 79.7 | 79.9 | 80.7 | 81.6 | 81.6 | 82.8 | 83.3 | 83.3 | 85.3 | 85.3 | 87.4 | 89.0 |
| ≥ 200 | 64.2 | 77.2 | 78.5 | 79.9 | 81.6 | 81.8 | 82.6 | 83.6 | 83.6 | 84.8 | 85.4 | 85.4 | 87.3 | 87.3 | 89.5 | 91.1 |
| ≥ 180 | 64.4 | 77.7 | 79.0 | 80.4 | 82.1 | 82.3 | 83.3 | 84.2 | 84.2 | 85.4 | 85.9 | 85.9 | 87.8 | 87.8 | 90.0 | 91.6 |
| ≥ 150 | 65.2 | 79.2 | 80.6 | 82.1 | 83.9 | 84.1 | 85.3 | 86.1 | 86.1 | 87.3 | 87.8 | 87.8 | 89.8 | 89.8 | 91.9 | 93.5 |
| ≥ 120 | 65.4 | 79.7 | 81.1 | 82.6 | 84.3 | 84.5 | 85.7 | 86.5 | 86.5 | 87.8 | 88.4 | 88.4 | 90.3 | 90.3 | 92.5 | 94.1 |
| ≥ 100 | 66.0 | 80.2 | 81.6 | 83.2 | 84.9 | 85.1 | 86.3 | 87.3 | 87.3 | 88.6 | 89.1 | 89.1 | 91.1 | 91.1 | 93.2 | 94.8 |
| ≥ 90 | 66.1 | 80.7 | 82.1 | 83.7 | 85.6 | 85.8 | 87.0 | 87.9 | 87.9 | 89.2 | 89.8 | 89.8 | 91.7 | 91.7 | 93.9 | 95.5 |
| ≥ 80 | 66.4 | 81.1 | 82.5 | 84.1 | 86.0 | 86.2 | 87.4 | 88.4 | 88.4 | 89.7 | 90.2 | 90.2 | 92.1 | 92.1 | 94.3 | 95.9 |
| ≥ 70 | 66.4 | 81.4 | 82.8 | 84.4 | 86.3 | 86.5 | 87.7 | 88.7 | 88.7 | 90.0 | 90.5 | 90.5 | 92.5 | 92.5 | 94.6 | 96.2 |
| ≥ 60 | 67.0 | 82.3 | 83.7 | 85.4 | 87.3 | 87.5 | 88.7 | 89.7 | 89.7 | 91.1 | 91.6 | 91.6 | 93.5 | 93.5 | 95.7 | 97.3 |
| ≥ 50 | 67.0 | 82.6 | 84.0 | 85.6 | 87.5 | 87.7 | 88.9 | 89.9 | 89.9 | 91.4 | 91.9 | 91.9 | 93.9 | 93.9 | 96.0 | 97.6 |
| ≥ 40 | 67.0 | 82.8 | 84.4 | 86.1 | 88.2 | 88.4 | 89.7 | 90.7 | 90.7 | 92.2 | 92.8 | 92.8 | 94.7 | 94.7 | 97.5 | 99.1 |
| ≥ 30 | 67.0 | 82.9 | 84.5 | 86.2 | 88.4 | 88.6 | 89.9 | 91.0 | 91.0 | 92.5 | 93.0 | 93.0 | 94.9 | 94.9 | 97.7 | 99.4 |
| ≥ 20 | 67.0 | 82.9 | 84.5 | 86.2 | 88.4 | 88.6 | 89.9 | 91.0 | 91.0 | 92.5 | 93.1 | 93.1 | 95.0 | 95.0 | 97.8 | 99.6 |
| ≥ 10 | 67.0 | 82.9 | 84.5 | 86.2 | 88.4 | 88.6 | 89.9 | 91.0 | 91.0 | 92.5 | 93.1 | 93.1 | 95.0 | 95.0 | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868 KSC SHUTTLE APT FL

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 |
| NO CEILING | 42.6 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.5 | 47.5 |
| ≥ 20000 | 59.3 | 64.8 | 64.9 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.5 | 65.5 | 65.7 |
| W 18000 | 59.6 | 64.9 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.6 | 65.6 | 65.8 |
| W 16000 | 59.8 | 65.4 | 65.6 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.2 | 66.5 | 66.5 |
| W 14000 | 61.0 | 66.9 | 67.1 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.7 | 68.0 | 68.0 |
| W 12000 | 62.3 | 68.7 | 68.9 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4 | 69.6 | 69.8 | 69.8 |
| W 10000 | 64.9 | 71.6 | 71.8 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.5 | 72.7 | 72.7 |
| W 9000 | 66.1 | 73.0 | 73.2 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.9 | 74.1 | 74.1 |
| W 8000 | 67.7 | 75.3 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0 | 76.3 | 76.6 | 76.6 |
| W 7000 | 68.2 | 75.8 | 76.0 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.6 | 76.6 | 76.6 | 76.9 | 77.1 | 77.1 |
| W 6000 | 69.7 | 77.3 | 77.5 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 78.1 | 78.1 | 78.1 | 78.4 | 78.6 | 78.6 |
| W 5000 | 71.2 | 78.9 | 79.1 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.7 | 79.7 | 79.7 | 80.0 | 80.2 | 80.2 |
| W 4500 | 72.0 | 80.1 | 80.3 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.9 | 80.9 | 80.9 | 81.2 | 81.4 | 81.4 |
| W 4000 | 73.5 | 81.7 | 81.9 | 82.2 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.9 | 83.1 | 83.1 |
| W 3500 | 75.3 | 83.9 | 84.1 | 84.4 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 85.3 | 85.5 | 85.5 |
| W 3000 | 77.5 | 86.2 | 86.5 | 86.8 | 87.0 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 | 87.4 | 87.4 | 87.7 | 88.0 | 88.0 |
| W 2500 | 77.8 | 87.1 | 87.3 | 87.6 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.6 | 88.8 | 88.8 |
| W 2000 | 78.4 | 88.2 | 88.4 | 88.7 | 89.0 | 89.0 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.9 | 90.1 | 90.1 |
| W 1800 | 79.1 | 89.1 | 89.6 | 89.9 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.8 | 90.8 | 90.8 | 91.1 | 91.3 | 91.3 |
| W 1600 | 80.1 | 90.6 | 91.2 | 91.5 | 91.8 | 91.8 | 92.2 | 92.2 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.7 | 92.9 | 92.9 |
| W 1400 | 80.6 | 91.7 | 92.4 | 92.8 | 93.1 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 94.0 | 94.2 | 94.2 |
| W 1200 | 80.9 | 91.9 | 92.8 | 93.3 | 93.8 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.6 | 94.8 | 94.8 |
| W 1000 | 81.0 | 92.6 | 93.4 | 94.0 | 94.6 | 94.6 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.6 | 95.8 | 95.8 |
| W 900 | 81.1 | 93.2 | 94.2 | 94.7 | 95.4 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.3 | 96.6 | 96.6 |
| W 800 | 81.5 | 94.2 | 95.5 | 96.0 | 96.7 | 96.7 | 97.1 | 97.1 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.8 | 98.1 | 98.1 |
| W 700 | 81.5 | 94.4 | 95.8 | 96.5 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.5 | 98.1 | 98.2 | 98.2 | 98.8 | 99.0 | 99.0 |
| W 600 | 81.6 | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.2 | 99.5 | 99.5 |
| W 500 | 81.6 | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.2 | 99.5 | 99.5 |
| W 400 | 81.6 | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.2 | 99.5 | 99.5 |
| W 300 | 81.6 | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.2 | 99.5 | 99.5 |
| W 200 | 81.6 | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.2 | 99.5 | 99.5 |
| W 100 | 81.6 | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.2 | 99.5 | 99.5 |
| W 0 | 81.6 | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.2 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥8 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 46.7 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| ≥20000 | 67.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥18000 | 68.0 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| ≥16000 | 68.1 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥14000 | 69.6 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| ≥12000 | 71.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥10000 | 73.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| ≥9000 | 74.6 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| ≥8000 | 75.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥7000 | 76.3 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥6000 | 77.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| ≥5000 | 78.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥4500 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥4000 | 80.3 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥3500 | 83.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥3000 | 85.1 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥2500 | 86.9 | 90.9 | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥2000 | 88.2 | 92.4 | 92.7 | 92.8 | 92.8 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥1800 | 88.3 | 92.7 | 93.0 | 93.1 | 93.1 | 93.1 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥1500 | 88.6 | 93.2 | 93.6 | 94.0 | 94.0 | 94.0 | 94.2 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥1200 | 89.1 | 94.2 | 94.8 | 95.2 | 95.2 | 95.2 | 95.4 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥1000 | 89.5 | 95.3 | 95.9 | 96.2 | 96.2 | 96.2 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥900 | 89.8 | 95.9 | 96.6 | 96.9 | 96.9 | 96.9 | 97.1 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥800 | 90.1 | 96.3 | 97.0 | 97.3 | 97.3 | 97.3 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥700 | 90.1 | 97.1 | 97.7 | 98.4 | 98.5 | 98.5 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥600 | 90.2 | 97.4 | 98.1 | 98.8 | 98.9 | 98.9 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥500 | 90.2 | 97.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥400 | 90.2 | 97.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥300 | 90.2 | 97.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥200 | 90.2 | 97.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥100 | 90.2 | 97.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥0 | 90.2 | 97.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS UTC

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| NO CEILING | 46.0 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 20000 | 67.8 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| IV 18000 | 68.2 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| IV 16000 | 68.3 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| IV 14000 | 69.7 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| IV 12000 | 71.9 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 10000 | 75.3 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| IV 9000 | 78.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| IV 8000 | 80.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 7000 | 80.6 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| IV 6000 | 81.8 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| IV 5000 | 82.8 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| IV 4500 | 84.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| IV 4000 | 85.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| IV 3500 | 87.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| IV 3000 | 87.7 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| IV 2500 | 88.8 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| IV 2000 | 90.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| IV 1800 | 90.6 | 94.7 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| IV 1500 | 91.1 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 1200 | 91.5 | 96.0 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 1000 | 91.8 | 96.6 | 96.6 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| IV 900 | 92.4 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 800 | 92.5 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 700 | 92.5 | 98.4 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 600 | 92.5 | 98.6 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 500 | 92.5 | 98.7 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 400 | 92.5 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 300 | 92.5 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 200 | 92.5 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 100 | 92.5 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 0 | 92.5 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12862

KSC SHUTTLE APT FL

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING | 50.5 | 51.6 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| ≥20000 | 63.9 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 |
| 18000 | 64.4 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 |
| 16000 | 65.1 | 66.7 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.1 |
| 14000 | 66.0 | 67.7 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 |
| 12000 | 67.3 | 69.7 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 |
| 10000 | 70.7 | 73.2 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 |
| 9000 | 73.0 | 75.8 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 |
| 8000 | 75.2 | 78.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.5 |
| 7000 | 76.1 | 79.0 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 |
| 6000 | 77.9 | 80.9 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 |
| 5000 | 79.2 | 82.8 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 |
| 4500 | 81.9 | 86.0 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.5 |
| 4000 | 82.7 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 |
| 3500 | 85.0 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 |
| 3000 | 86.3 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 |
| 2500 | 87.8 | 93.0 | 93.4 | 93.4 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.8 |
| 2000 | 88.8 | 94.3 | 94.7 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 |
| 1800 | 89.7 | 95.2 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 |
| 1500 | 90.5 | 96.1 | 96.6 | 96.6 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 |
| 1200 | 90.9 | 96.9 | 97.3 | 97.3 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| 1000 | 91.0 | 97.0 | 97.4 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 |
| 900 | 91.2 | 97.2 | 97.6 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 |
| 800 | 91.2 | 97.3 | 97.7 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 |
| 700 | 91.4 | 98.1 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| 600 | 91.4 | 98.2 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 500 | 91.4 | 98.2 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 400 | 91.4 | 98.2 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 300 | 91.4 | 98.2 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 200 | 91.4 | 98.2 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 100 | 91.4 | 98.2 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 0 | 91.4 | 98.2 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808

KSC SHUTTLE APT FL

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO. CEILING | 54.1 | 56.8 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.6 | 57.6 | 57.6 | 57.8 | 57.8 | 58.0 | 58.0 |
| ≥ 25000 | 63.5 | 66.9 | 67.2 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 68.1 | 68.1 | 68.2 | 68.2 |
| ≥ 18000 | 63.9 | 67.2 | 67.5 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 68.2 | 68.2 | 68.2 | 68.4 | 68.4 | 68.5 | 68.5 |
| ≥ 16000 | 64.5 | 67.8 | 68.2 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 | 69.1 | 69.1 |
| ≥ 14000 | 65.5 | 68.8 | 69.1 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.8 | 69.8 | 69.8 | 70.0 | 70.0 | 70.1 | 70.1 |
| ≥ 12000 | 66.2 | 69.7 | 70.0 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.6 | 70.6 | 70.6 | 70.9 | 70.9 | 71.0 | 71.0 |
| ≥ 10000 | 70.4 | 74.1 | 74.4 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 75.2 | 75.2 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 |
| ≥ 9000 | 71.4 | 75.5 | 75.8 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.6 | 76.6 | 76.6 | 76.8 | 76.8 | 76.9 | 76.9 |
| ≥ 8000 | 72.9 | 77.2 | 77.5 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 | 78.6 | 78.6 |
| ≥ 7000 | 74.3 | 78.8 | 79.1 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.9 | 79.9 | 79.9 | 80.1 | 80.1 | 80.2 | 80.2 |
| ≥ 6000 | 76.0 | 80.6 | 81.0 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.7 | 81.7 | 81.7 | 81.9 | 81.9 | 82.0 | 82.0 |
| ≥ 5000 | 77.7 | 82.7 | 83.1 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.9 | 83.9 | 83.9 | 84.1 | 84.1 | 84.2 | 84.2 |
| ≥ 4500 | 80.6 | 85.9 | 86.3 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 | 87.4 | 87.4 |
| ≥ 4000 | 81.8 | 87.4 | 87.8 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.7 | 88.7 | 88.7 | 88.9 | 88.9 | 89.0 | 89.0 |
| ≥ 3500 | 84.1 | 89.8 | 90.2 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.1 | 91.1 | 91.1 | 91.3 | 91.3 | 91.4 | 91.4 |
| ≥ 3000 | 85.3 | 91.1 | 91.5 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.7 | 92.7 |
| ≥ 2500 | 87.1 | 93.2 | 93.7 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.5 | 94.5 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 |
| ≥ 2000 | 88.4 | 94.9 | 95.4 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.6 | 96.6 |
| ≥ 1800 | 88.9 | 95.7 | 96.1 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 |
| ≥ 1500 | 89.2 | 96.1 | 96.7 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 |
| ≥ 1200 | 89.6 | 96.6 | 97.1 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 |
| ≥ 1000 | 89.8 | 96.8 | 97.3 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 | 98.5 |
| ≥ 900 | 89.8 | 96.9 | 97.4 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 | 98.6 |
| ≥ 800 | 89.9 | 97.1 | 97.6 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 |
| ≥ 700 | 89.9 | 97.4 | 98.0 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 600 | 89.9 | 97.6 | 98.2 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 |
| ≥ 500 | 89.9 | 98.1 | 98.6 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 400 | 90.0 | 98.2 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 90.0 | 98.2 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 90.0 | 98.2 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 90.0 | 98.2 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 90.0 | 98.2 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R

KSC SHUTTLE APT FL

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ 0 |
| NO CEILING ≥ 20000 | 46.9 | 50.7 | 51.1 | 51.4 | 51.7 | 51.7 | 51.8 | 51.9 | 51.9 | 52.4 | 52.4 | 52.4 | 52.9 | 52.9 | 53.2 | 53.4 |
| IN 18000 | 60.2 | 64.6 | 65.0 | 65.4 | 65.8 | 65.8 | 65.9 | 66.1 | 66.1 | 66.5 | 66.6 | 66.6 | 67.1 | 67.1 | 67.5 | 67.7 |
| IN 16000 | 60.5 | 64.8 | 65.2 | 65.6 | 66.0 | 66.0 | 66.2 | 66.3 | 66.3 | 66.8 | 66.8 | 66.8 | 67.4 | 67.4 | 67.7 | 67.9 |
| IN 14000 | 60.9 | 65.4 | 65.8 | 66.2 | 66.6 | 66.6 | 66.8 | 66.9 | 66.9 | 67.4 | 67.4 | 67.4 | 68.0 | 68.0 | 68.3 | 68.5 |
| IN 12000 | 62.0 | 66.5 | 66.9 | 67.3 | 67.8 | 67.8 | 67.9 | 68.1 | 68.1 | 68.5 | 68.6 | 68.6 | 69.1 | 69.1 | 69.5 | 69.7 |
| IN 10000 | 63.3 | 68.0 | 68.4 | 68.8 | 69.2 | 69.2 | 69.4 | 69.6 | 69.6 | 70.0 | 70.1 | 70.1 | 70.6 | 70.6 | 71.0 | 71.2 |
| IN 9000 | 66.2 | 71.2 | 71.6 | 72.1 | 72.5 | 72.5 | 72.7 | 72.8 | 72.8 | 73.3 | 73.3 | 73.3 | 73.9 | 73.9 | 74.3 | 74.5 |
| IN 8000 | 67.8 | 73.0 | 73.5 | 74.0 | 74.4 | 74.4 | 74.6 | 74.7 | 74.7 | 75.1 | 75.2 | 75.2 | 75.8 | 75.8 | 76.2 | 76.4 |
| IN 7000 | 69.1 | 74.7 | 75.1 | 75.6 | 76.0 | 76.0 | 76.2 | 76.3 | 76.3 | 76.8 | 76.9 | 76.9 | 77.4 | 77.4 | 77.8 | 78.0 |
| IN 6000 | 69.9 | 75.7 | 76.1 | 76.6 | 77.0 | 77.0 | 77.2 | 77.3 | 77.3 | 77.8 | 77.9 | 77.9 | 78.4 | 78.4 | 78.8 | 79.0 |
| IN 5000 | 71.1 | 77.0 | 77.5 | 78.0 | 78.4 | 78.4 | 78.6 | 78.7 | 78.7 | 79.2 | 79.2 | 79.2 | 79.8 | 79.8 | 80.2 | 80.4 |
| IN 4500 | 72.3 | 78.5 | 79.0 | 79.5 | 79.9 | 79.9 | 80.3 | 80.3 | 80.3 | 80.7 | 80.8 | 80.8 | 81.4 | 81.4 | 81.8 | 82.0 |
| IN 4000 | 74.2 | 80.9 | 81.4 | 81.8 | 82.3 | 82.3 | 82.5 | 82.7 | 82.7 | 83.1 | 83.2 | 83.2 | 83.7 | 83.7 | 84.1 | 84.3 |
| IN 3500 | 75.2 | 82.2 | 82.6 | 83.2 | 83.7 | 83.7 | 83.9 | 84.1 | 84.1 | 84.5 | 84.6 | 84.6 | 85.2 | 85.2 | 85.6 | 85.8 |
| IN 3000 | 77.3 | 84.7 | 85.2 | 85.7 | 86.2 | 86.2 | 86.4 | 86.6 | 86.6 | 87.1 | 87.1 | 87.1 | 87.7 | 87.7 | 88.1 | 88.3 |
| IN 2500 | 78.8 | 86.5 | 87.0 | 87.5 | 88.1 | 88.1 | 88.4 | 88.6 | 88.6 | 89.0 | 89.1 | 89.1 | 89.7 | 89.7 | 90.1 | 90.3 |
| IN 2000 | 79.9 | 88.1 | 88.6 | 89.2 | 89.8 | 89.8 | 90.1 | 90.3 | 90.3 | 90.7 | 90.8 | 90.8 | 91.4 | 91.4 | 91.8 | 92.0 |
| IN 1800 | 81.1 | 89.7 | 90.3 | 90.8 | 91.5 | 91.5 | 91.8 | 92.0 | 92.0 | 92.5 | 92.5 | 92.5 | 93.1 | 93.1 | 93.5 | 93.7 |
| IN 1600 | 81.4 | 90.2 | 90.8 | 91.4 | 92.0 | 92.1 | 92.4 | 92.6 | 92.6 | 93.0 | 93.1 | 93.1 | 93.7 | 93.7 | 94.1 | 94.3 |
| IN 1400 | 81.9 | 90.9 | 91.6 | 92.3 | 92.9 | 92.9 | 93.3 | 93.5 | 93.5 | 93.9 | 94.0 | 94.0 | 94.6 | 94.6 | 95.0 | 95.2 |
| IN 1200 | 82.4 | 91.6 | 92.4 | 93.0 | 93.7 | 93.7 | 94.1 | 94.2 | 94.2 | 94.7 | 94.8 | 94.8 | 95.4 | 95.4 | 95.8 | 96.0 |
| IN 1000 | 82.6 | 92.1 | 92.9 | 93.6 | 94.2 | 94.3 | 94.6 | 94.8 | 94.8 | 95.3 | 95.4 | 95.4 | 96.0 | 96.0 | 96.4 | 96.6 |
| IN 900 | 82.9 | 92.6 | 93.4 | 94.1 | 94.8 | 94.8 | 95.2 | 95.4 | 95.4 | 95.8 | 95.9 | 95.9 | 96.5 | 96.5 | 96.9 | 97.1 |
| IN 800 | 83.0 | 92.9 | 93.8 | 94.4 | 95.2 | 95.2 | 95.6 | 95.8 | 95.8 | 96.3 | 96.3 | 96.3 | 96.9 | 96.9 | 97.3 | 97.5 |
| IN 700 | 83.1 | 93.4 | 94.2 | 94.9 | 95.7 | 95.7 | 96.1 | 96.3 | 96.3 | 96.8 | 96.9 | 96.9 | 97.5 | 97.5 | 97.9 | 98.1 |
| IN 600 | 83.2 | 93.9 | 94.8 | 95.6 | 96.3 | 96.3 | 96.7 | 96.9 | 96.9 | 97.3 | 97.3 | 97.3 | 97.9 | 97.9 | 98.3 | 98.5 |
| IN 500 | 83.2 | 94.1 | 95.1 | 95.8 | 96.6 | 96.6 | 97.0 | 97.2 | 97.2 | 97.6 | 97.6 | 97.6 | 98.2 | 98.2 | 98.6 | 98.8 |
| IN 400 | 83.3 | 94.3 | 95.3 | 96.0 | 96.8 | 96.8 | 97.3 | 97.5 | 97.5 | 97.9 | 98.1 | 98.2 | 98.6 | 98.6 | 99.0 | 99.2 |
| IN 300 | 83.3 | 94.3 | 95.3 | 96.1 | 96.9 | 96.9 | 97.4 | 97.6 | 97.6 | 98.2 | 98.3 | 98.3 | 98.9 | 98.9 | 99.3 | 99.5 |
| IN 200 | 83.3 | 94.3 | 95.3 | 96.1 | 96.9 | 96.9 | 97.4 | 97.6 | 97.6 | 98.3 | 98.4 | 98.4 | 99.0 | 99.0 | 99.4 | 99.6 |
| IN 100 | 83.3 | 94.3 | 95.3 | 96.1 | 96.9 | 96.9 | 97.4 | 97.6 | 97.6 | 98.3 | 98.4 | 98.4 | 99.0 | 99.0 | 99.4 | 99.6 |
| IN 0 | 83.3 | 94.3 | 95.3 | 96.1 | 96.9 | 96.9 | 97.4 | 97.6 | 97.6 | 98.3 | 98.4 | 98.4 | 99.1 | 99.1 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7436

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| NO CEILING | 56.3 | 61.0 | 61.5 | 61.7 | 61.9 | 61.9 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.5 | 62.5 | 63.4 |
| ≥ 20000 | 62.4 | 67.6 | 68.1 | 68.3 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.1 | 69.1 | 70.0 |
| ≥ 18000 | 62.5 | 67.7 | 68.2 | 68.4 | 68.7 | 68.7 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.3 | 69.3 | 70.1 |
| ≥ 16000 | 62.6 | 68.1 | 68.6 | 68.8 | 69.0 | 69.0 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.6 | 69.6 | 70.4 |
| ≥ 14000 | 63.0 | 68.4 | 68.9 | 69.1 | 69.4 | 69.4 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 70.0 | 70.0 | 70.8 |
| ≥ 12000 | 64.1 | 69.5 | 70.0 | 70.2 | 70.4 | 70.4 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 71.0 | 71.0 | 71.9 |
| ≥ 10000 | 67.1 | 73.3 | 73.9 | 74.1 | 74.3 | 74.3 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.9 | 74.9 | 75.8 |
| ≥ 9000 | 70.3 | 77.3 | 77.9 | 78.1 | 78.4 | 78.4 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 79.0 | 79.0 | 79.8 |
| ≥ 8000 | 71.7 | 79.2 | 79.8 | 80.0 | 80.3 | 80.3 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.9 | 80.9 | 81.7 |
| ≥ 7000 | 73.6 | 81.2 | 81.8 | 82.0 | 82.3 | 82.3 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.9 | 82.9 | 83.7 |
| ≥ 6000 | 74.5 | 82.0 | 82.6 | 82.9 | 83.1 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.7 | 83.7 | 84.5 |
| ≥ 5000 | 75.2 | 83.3 | 84.0 | 84.3 | 84.5 | 84.5 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.9 |
| ≥ 4500 | 76.6 | 85.2 | 85.9 | 86.2 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.8 |
| ≥ 4000 | 78.8 | 87.6 | 88.3 | 88.5 | 88.8 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.4 | 89.4 | 90.2 |
| ≥ 3500 | 80.4 | 89.5 | 90.2 | 90.4 | 90.7 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.3 | 91.3 | 92.1 |
| ≥ 3000 | 81.2 | 90.9 | 91.6 | 91.8 | 92.1 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.7 | 92.7 | 93.5 |
| ≥ 2500 | 81.9 | 91.6 | 92.3 | 92.6 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.4 | 93.4 | 94.2 |
| ≥ 2000 | 82.4 | 92.2 | 92.9 | 93.3 | 93.5 | 93.5 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 94.1 | 94.1 | 94.9 |
| ≥ 1800 | 82.4 | 92.2 | 93.0 | 93.4 | 93.7 | 93.7 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.3 | 94.3 | 95.2 |
| ≥ 1500 | 82.9 | 93.0 | 94.1 | 94.4 | 94.8 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.4 | 95.4 | 96.2 |
| ≥ 1200 | 83.0 | 93.4 | 94.6 | 94.9 | 95.3 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.9 | 95.9 | 96.7 |
| ≥ 1000 | 83.2 | 93.9 | 95.0 | 95.4 | 95.7 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3 | 96.3 | 97.2 |
| ≥ 900 | 83.5 | 94.4 | 95.7 | 96.1 | 96.5 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.0 | 97.0 | 97.9 |
| ≥ 800 | 83.5 | 94.7 | 96.0 | 96.3 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.2 | 97.2 | 98.1 |
| ≥ 700 | 83.5 | 94.7 | 96.1 | 96.5 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.4 | 97.4 | 98.2 |
| ≥ 600 | 83.7 | 95.5 | 96.9 | 97.3 | 97.6 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 99.1 |
| ≥ 500 | 83.7 | 95.6 | 97.0 | 97.4 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 99.2 |
| ≥ 400 | 83.7 | 95.6 | 97.0 | 97.4 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 99.4 |
| ≥ 300 | 83.7 | 95.6 | 97.2 | 97.6 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.6 | 98.6 | 99.6 |
| ≥ 200 | 83.7 | 96.0 | 97.5 | 97.9 | 98.2 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.2 | 99.2 | 100.0 |
| ≥ 100 | 83.7 | 96.0 | 97.5 | 97.9 | 98.2 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.2 | 99.2 | 100.0 |
| ≥ 0 | 83.7 | 96.0 | 97.5 | 97.9 | 98.2 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.2 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC

FORM 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 47.0 | 52.8 | 53.3 | 53.8 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.9 | 54.9 | 54.9 | 55.7 | 55.7 | 56.2 | 56.3 |
| ≥ 25000 | 53.3 | 59.7 | 60.3 | 60.9 | 61.3 | 61.3 | 61.6 | 61.6 | 61.6 | 62.1 | 62.1 | 62.1 | 62.9 | 62.9 | 63.4 | 63.5 |
| ≥ 18000 | 53.3 | 59.7 | 60.3 | 60.9 | 61.3 | 61.3 | 61.6 | 61.6 | 61.6 | 62.1 | 62.1 | 62.1 | 62.9 | 62.9 | 63.4 | 63.5 |
| ≥ 16000 | 53.9 | 60.4 | 61.0 | 61.6 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.8 | 62.8 | 62.8 | 63.6 | 63.6 | 64.1 | 64.2 |
| ≥ 14000 | 55.0 | 61.5 | 62.1 | 62.7 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.9 | 63.9 | 63.9 | 64.7 | 64.7 | 65.2 | 65.3 |
| ≥ 12000 | 55.3 | 62.1 | 62.7 | 63.3 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.8 | 65.9 |
| ≥ 10000 | 58.6 | 65.9 | 66.5 | 67.1 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 68.2 | 68.2 | 68.2 | 69.3 | 69.3 | 69.8 | 69.9 |
| ≥ 9000 | 60.8 | 68.4 | 69.0 | 69.5 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.7 | 70.7 | 70.7 | 71.8 | 71.8 | 72.3 | 72.4 |
| ≥ 8000 | 62.3 | 70.5 | 71.1 | 71.8 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 73.0 | 73.0 | 73.0 | 74.1 | 74.1 | 74.5 | 74.6 |
| ≥ 7000 | 64.0 | 72.3 | 72.9 | 73.6 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.8 | 74.8 | 74.8 | 75.8 | 75.8 | 76.3 | 76.4 |
| ≥ 6000 | 65.3 | 73.8 | 74.4 | 75.1 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 76.3 | 76.3 | 76.3 | 77.4 | 77.4 | 77.8 | 78.0 |
| ≥ 5000 | 66.9 | 75.9 | 76.5 | 77.3 | 77.8 | 77.8 | 78.0 | 78.0 | 78.0 | 78.4 | 78.4 | 78.4 | 79.6 | 79.6 | 80.1 | 80.2 |
| ≥ 4500 | 69.2 | 79.3 | 79.9 | 80.6 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.8 | 81.8 | 81.8 | 82.9 | 82.9 | 83.4 | 83.5 |
| ≥ 4000 | 71.1 | 81.4 | 82.0 | 82.7 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.9 | 83.9 | 83.9 | 85.1 | 85.1 | 85.5 | 85.7 |
| ≥ 3500 | 73.7 | 84.5 | 85.1 | 85.8 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 87.0 | 87.0 | 87.0 | 88.2 | 88.2 | 88.6 | 88.7 |
| ≥ 3000 | 74.5 | 85.9 | 86.5 | 87.2 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 88.4 | 88.4 | 88.4 | 89.6 | 89.6 | 90.0 | 90.2 |
| ≥ 2500 | 75.0 | 86.6 | 87.2 | 87.9 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 89.1 | 89.1 | 89.1 | 90.3 | 90.3 | 90.8 | 90.9 |
| ≥ 2000 | 75.6 | 87.7 | 88.3 | 89.0 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 90.2 | 90.2 | 90.2 | 91.4 | 91.4 | 91.8 | 91.9 |
| ≥ 1800 | 75.6 | 87.7 | 88.3 | 89.0 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 90.2 | 90.2 | 90.2 | 91.4 | 91.4 | 91.8 | 91.9 |
| ≥ 1500 | 75.6 | 88.2 | 89.1 | 89.8 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 91.0 | 91.0 | 91.0 | 92.2 | 92.2 | 92.7 | 92.8 |
| ≥ 1200 | 76.5 | 89.3 | 90.4 | 91.1 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 92.3 | 92.3 | 92.3 | 93.5 | 93.5 | 94.0 | 94.1 |
| ≥ 1000 | 76.8 | 89.9 | 91.0 | 91.7 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.9 | 92.9 | 92.9 | 94.1 | 94.1 | 94.5 | 94.7 |
| ≥ 900 | 77.3 | 90.9 | 91.9 | 92.7 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.8 | 93.8 | 93.8 | 95.0 | 95.0 | 95.5 | 95.6 |
| ≥ 800 | 77.4 | 91.6 | 92.7 | 93.5 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.7 | 94.7 | 94.7 | 95.9 | 95.9 | 96.3 | 96.4 |
| ≥ 700 | 77.5 | 92.1 | 93.1 | 94.0 | 94.5 | 94.5 | 94.7 | 94.8 | 94.8 | 95.3 | 95.3 | 95.3 | 96.4 | 96.4 | 96.9 | 97.0 |
| ≥ 600 | 77.7 | 93.4 | 94.4 | 95.3 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.6 | 96.6 | 96.6 | 97.7 | 97.7 | 98.2 | 98.3 |
| ≥ 500 | 77.7 | 93.5 | 94.7 | 95.5 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.8 | 96.8 | 96.8 | 98.0 | 98.0 | 98.5 | 98.6 |
| ≥ 400 | 77.7 | 93.7 | 94.9 | 95.7 | 96.3 | 96.3 | 96.4 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 | 98.3 | 98.3 | 98.8 | 98.9 |
| ≥ 300 | 77.7 | 94.0 | 95.3 | 96.1 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.7 | 97.7 | 97.7 | 98.9 | 98.9 | 99.4 | 99.5 |
| ≥ 200 | 77.7 | 94.0 | 95.3 | 96.1 | 96.8 | 96.8 | 97.2 | 97.3 | 97.3 | 98.1 | 98.1 | 98.1 | 99.3 | 99.3 | 99.8 | 99.9 |
| ≥ 100 | 77.7 | 94.0 | 95.3 | 96.1 | 96.8 | 96.8 | 97.2 | 97.3 | 97.3 | 98.1 | 98.1 | 98.1 | 99.3 | 99.3 | 99.8 | 99.9 |
| ≥ 0 | 77.7 | 94.0 | 95.3 | 96.1 | 96.8 | 96.8 | 97.2 | 97.3 | 97.3 | 98.1 | 98.1 | 98.1 | 99.3 | 99.3 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥1/64 | ≥1/128 | ≥1/256 | ≥1/512 |
| NO CEILING | 40.1 | 47.0 | 48.0 | 48.6 | 49.3 | 49.3 | 49.8 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 51.1 | 51.1 | 52.4 | 53.4 |
| ≥ 20000 | 46.3 | 55.2 | 56.3 | 56.9 | 57.7 | 57.7 | 58.2 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 59.5 | 59.5 | 61.0 | 62.2 |
| ≥ 18000 | 46.9 | 55.8 | 56.9 | 57.4 | 58.3 | 58.3 | 58.7 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 60.0 | 60.0 | 61.6 | 62.8 |
| ≥ 16000 | 47.0 | 56.0 | 57.1 | 57.7 | 58.5 | 58.5 | 59.0 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 60.3 | 60.3 | 61.8 | 63.0 |
| ≥ 14000 | 48.6 | 57.9 | 59.0 | 59.7 | 60.5 | 60.5 | 61.0 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 62.3 | 62.3 | 63.8 | 65.0 |
| ≥ 12000 | 50.1 | 59.7 | 60.8 | 61.5 | 62.3 | 62.3 | 62.8 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 64.1 | 64.1 | 65.6 | 66.8 |
| ≥ 10000 | 52.7 | 63.1 | 64.2 | 65.1 | 66.1 | 66.1 | 66.5 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.8 | 67.8 | 69.4 | 70.6 |
| ≥ 9000 | 53.9 | 64.8 | 65.8 | 66.8 | 67.7 | 67.7 | 68.2 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.5 | 69.5 | 71.0 | 72.2 |
| ≥ 8000 | 55.3 | 66.4 | 67.5 | 68.4 | 69.4 | 69.4 | 69.9 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 71.2 | 71.2 | 72.7 | 73.9 |
| ≥ 7000 | 56.9 | 68.3 | 69.4 | 70.3 | 71.3 | 71.3 | 71.7 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 73.0 | 73.0 | 74.6 | 75.8 |
| ≥ 6000 | 58.2 | 70.1 | 71.2 | 72.1 | 73.0 | 73.0 | 73.5 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.8 | 74.8 | 76.4 | 77.5 |
| ≥ 5000 | 59.3 | 71.5 | 72.6 | 73.5 | 74.5 | 74.5 | 74.9 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 76.2 | 76.2 | 77.8 | 79.0 |
| ≥ 4500 | 60.8 | 73.2 | 74.2 | 75.2 | 76.1 | 76.1 | 76.6 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.9 | 77.9 | 79.4 | 80.6 |
| ≥ 4000 | 61.6 | 74.3 | 75.4 | 76.4 | 77.3 | 77.3 | 77.8 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 79.1 | 79.1 | 80.6 | 81.8 |
| ≥ 3500 | 63.6 | 76.8 | 77.9 | 78.8 | 79.8 | 79.8 | 80.3 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.6 | 81.6 | 83.1 | 84.3 |
| ≥ 3000 | 64.7 | 78.5 | 79.6 | 80.5 | 81.4 | 81.4 | 81.9 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 83.2 | 83.2 | 84.8 | 85.9 |
| ≥ 2500 | 65.1 | 79.2 | 80.3 | 81.2 | 82.2 | 82.2 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.9 | 83.9 | 85.5 | 86.6 |
| ≥ 2000 | 66.1 | 81.3 | 82.3 | 83.3 | 84.4 | 84.4 | 85.0 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 86.3 | 86.3 | 87.8 | 89.2 |
| ≥ 1800 | 66.5 | 81.9 | 83.1 | 84.0 | 85.0 | 85.1 | 85.7 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 87.0 | 87.0 | 88.5 | 90.0 |
| ≥ 1500 | 66.9 | 82.7 | 83.9 | 84.9 | 85.8 | 85.9 | 86.5 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.8 | 87.8 | 89.4 | 90.8 |
| ≥ 1200 | 67.6 | 84.4 | 85.7 | 86.6 | 87.7 | 87.8 | 88.4 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.7 | 89.7 | 91.3 | 92.7 |
| ≥ 1000 | 67.8 | 85.0 | 86.3 | 87.4 | 88.5 | 88.7 | 89.4 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.7 | 90.7 | 92.2 | 93.6 |
| ≥ 900 | 67.8 | 85.2 | 86.6 | 87.7 | 88.9 | 89.0 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.0 | 91.0 | 92.6 | 94.0 |
| ≥ 800 | 68.0 | 86.1 | 87.5 | 88.5 | 89.8 | 90.0 | 90.8 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 92.1 | 92.1 | 93.6 | 95.0 |
| ≥ 700 | 68.0 | 86.3 | 87.7 | 88.9 | 90.2 | 90.3 | 91.1 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 92.4 | 92.4 | 94.0 | 95.4 |
| ≥ 600 | 68.6 | 87.4 | 88.8 | 90.0 | 91.4 | 91.5 | 92.3 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.7 | 93.7 | 95.3 | 96.7 |
| ≥ 500 | 68.6 | 87.4 | 89.0 | 90.3 | 91.7 | 91.8 | 92.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.7 | 97.2 |
| ≥ 400 | 68.7 | 88.1 | 89.5 | 90.8 | 92.3 | 92.4 | 93.3 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 95.0 | 95.0 | 96.6 | 98.0 |
| ≥ 300 | 68.7 | 88.1 | 89.6 | 90.9 | 92.4 | 92.6 | 93.9 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 95.9 | 95.9 | 97.4 | 99.1 |
| ≥ 200 | 68.7 | 88.1 | 89.6 | 90.9 | 92.4 | 92.6 | 94.0 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 95.6 | 95.6 | 97.5 | 99.3 |
| ≥ 100 | 68.7 | 88.1 | 89.6 | 90.9 | 92.4 | 92.6 | 94.0 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 95.9 | 95.9 | 97.8 | 99.8 |
| ≥ 0 | 68.7 | 88.1 | 89.6 | 90.9 | 92.4 | 92.6 | 94.0 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 95.9 | 95.9 | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 856

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12809

KSC SHUTTLE APT FL

70-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | 48.5 | 51.4 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.9 |
| ≥ 20000 | 57.4 | 60.9 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.6 |
| ≥ 18000 | 57.9 | 61.5 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 62.2 |
| ≥ 16000 | 58.6 | 62.2 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.9 |
| ≥ 14000 | 59.6 | 63.5 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.5 |
| ≥ 12000 | 62.1 | 66.2 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.3 |
| ≥ 10000 | 64.4 | 69.4 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.6 |
| ≥ 9000 | 65.6 | 71.6 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.8 |
| ≥ 8000 | 67.3 | 73.6 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.9 |
| ≥ 7000 | 68.7 | 75.1 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.5 |
| ≥ 6000 | 70.9 | 77.9 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.6 |
| ≥ 5000 | 71.4 | 78.4 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 80.0 |
| ≥ 4500 | 73.9 | 81.1 | 82.3 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.9 |
| ≥ 4000 | 75.4 | 82.9 | 84.2 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.9 |
| ≥ 3500 | 75.9 | 84.0 | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.2 |
| ≥ 3000 | 76.5 | 85.3 | 86.6 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.6 |
| ≥ 2500 | 77.5 | 87.0 | 88.3 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.4 |
| ≥ 2000 | 78.4 | 88.3 | 89.6 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.8 |
| ≥ 1800 | 79.0 | 89.1 | 90.4 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.7 |
| ≥ 1500 | 79.7 | 90.1 | 91.4 | 91.7 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.9 |
| ≥ 1200 | 80.3 | 91.0 | 92.4 | 93.0 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 94.2 |
| ≥ 1000 | 80.9 | 92.0 | 93.5 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 95.4 |
| ≥ 900 | 81.0 | 92.2 | 93.7 | 94.4 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.7 |
| ≥ 800 | 81.0 | 92.6 | 94.2 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 96.2 |
| ≥ 700 | 81.0 | 92.9 | 94.7 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.8 |
| ≥ 600 | 81.1 | 93.5 | 95.4 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 97.6 |
| ≥ 500 | 81.1 | 93.6 | 95.6 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 98.0 |
| ≥ 400 | 81.1 | 93.6 | 95.9 | 96.7 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 98.2 |
| ≥ 300 | 81.1 | 93.6 | 95.9 | 96.7 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 99.3 |
| ≥ 200 | 81.1 | 93.6 | 95.9 | 96.7 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 99.9 |
| ≥ 100 | 81.1 | 93.6 | 95.9 | 96.7 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 100.0 |
| ≥ 0 | 81.1 | 93.6 | 95.9 | 96.7 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12804

KSC SHUTTLE APT FL

70-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 210 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| NO CEILING | 49.3 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥ 20000 | 64.1 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥ 18000 | 64.5 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| ≥ 16000 | 65.0 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| ≥ 14000 | 66.8 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| ≥ 12000 | 68.2 | 70.4 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| ≥ 10000 | 70.3 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 9000 | 72.3 | 75.4 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| ≥ 8000 | 74.0 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 7000 | 75.7 | 79.4 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 6000 | 77.3 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 5000 | 77.7 | 82.7 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| ≥ 4500 | 80.1 | 85.3 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 4000 | 81.6 | 86.9 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 3500 | 83.2 | 88.4 | 89.2 | 89.2 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 3000 | 84.8 | 90.8 | 91.3 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 2500 | 85.9 | 92.7 | 93.1 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 2000 | 86.9 | 93.9 | 94.4 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 1800 | 87.7 | 95.3 | 95.9 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 1500 | 88.7 | 96.3 | 96.9 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 1200 | 88.9 | 96.8 | 97.4 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 1000 | 88.9 | 96.8 | 97.4 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 900 | 89.1 | 97.2 | 97.9 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 800 | 89.2 | 97.4 | 98.1 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 700 | 89.4 | 97.9 | 98.6 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 600 | 89.7 | 98.1 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 500 | 89.7 | 98.1 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 400 | 89.7 | 98.1 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 300 | 89.7 | 98.1 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 89.7 | 98.1 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 89.7 | 98.1 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 89.7 | 98.1 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 844

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12863
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 48.3 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| ≥20000 | 65.6 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥18000 | 65.7 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥15000 | 66.7 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥14000 | 68.2 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥12000 | 70.7 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥10000 | 74.9 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥8000 | 76.6 | 80.6 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| ≥6000 | 79.2 | 84.0 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥5000 | 79.8 | 84.6 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥4500 | 81.2 | 86.2 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥4000 | 82.2 | 87.5 | 87.9 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥3500 | 84.2 | 90.4 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥3000 | 84.9 | 91.4 | 91.8 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥2500 | 86.4 | 93.1 | 93.6 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥2000 | 87.4 | 94.3 | 94.8 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥1800 | 87.5 | 94.9 | 95.4 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥1500 | 88.7 | 96.1 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥1200 | 89.5 | 97.0 | 97.5 | 97.6 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥1000 | 89.8 | 97.6 | 98.1 | 98.2 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥900 | 89.8 | 97.8 | 98.2 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥800 | 89.8 | 97.9 | 98.3 | 98.5 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥700 | 90.0 | 98.0 | 98.6 | 98.7 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥600 | 90.0 | 98.1 | 98.8 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥500 | 90.0 | 98.1 | 98.8 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥400 | 90.0 | 98.1 | 98.8 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥300 | 90.0 | 98.1 | 98.8 | 98.9 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥200 | 90.0 | 98.1 | 98.8 | 98.9 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥100 | 90.0 | 98.1 | 98.8 | 98.9 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥0 | 90.0 | 98.1 | 98.8 | 98.9 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAL
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME PERIOD

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| NO CEILING ≥ 20000 | 50.8 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| IV 18000 | 65.5 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| IV 16000 | 66.3 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| IV 14000 | 67.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| IV 12000 | 68.6 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| IV 10000 | 71.9 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 9000 | 74.6 | 78.0 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| IV 8000 | 75.3 | 79.0 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 7000 | 75.8 | 79.6 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| IV 6000 | 76.8 | 80.9 | 81.0 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| IV 5000 | 78.3 | 83.0 | 83.1 | 83.2 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| IV 4500 | 80.5 | 86.1 | 86.2 | 86.3 | 86.6 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| IV 4000 | 81.6 | 87.6 | 87.7 | 87.9 | 88.3 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| IV 3500 | 84.8 | 90.8 | 90.9 | 91.3 | 91.6 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| IV 3000 | 86.1 | 92.3 | 92.4 | 92.8 | 93.3 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| IV 2500 | 86.5 | 93.0 | 93.1 | 93.5 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 2000 | 87.8 | 94.3 | 94.6 | 94.9 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 1800 | 88.2 | 94.7 | 94.9 | 95.3 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 1500 | 88.3 | 94.8 | 95.0 | 95.4 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 1200 | 88.7 | 95.6 | 96.0 | 96.3 | 97.0 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 1000 | 88.7 | 95.6 | 96.0 | 96.3 | 97.0 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 900 | 88.7 | 96.0 | 96.3 | 96.7 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 800 | 88.8 | 96.5 | 96.8 | 97.2 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 700 | 88.8 | 96.6 | 96.9 | 97.3 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 600 | 88.8 | 96.8 | 97.2 | 97.5 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 500 | 88.8 | 96.8 | 97.3 | 98.0 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 400 | 88.8 | 96.8 | 97.3 | 98.1 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 300 | 88.9 | 96.9 | 97.4 | 98.2 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 200 | 88.9 | 96.9 | 97.4 | 98.2 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 100 | 88.9 | 96.9 | 97.4 | 98.2 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 0 | 88.9 | 96.9 | 97.4 | 98.2 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 58.3 | 59.7 | 59.8 | 59.9 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 | 60.6 | 60.6 |
| ≥2000 | 66.1 | 68.2 | 68.3 | 68.4 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.1 | 69.1 | 69.1 |
| 1800 | 66.1 | 68.2 | 68.3 | 68.4 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.1 | 69.1 | 69.1 |
| 1600 | 66.4 | 68.6 | 68.7 | 68.8 | 69.1 | 69.1 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.5 | 69.5 | 69.5 |
| 1400 | 66.7 | 68.8 | 68.9 | 69.0 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.7 | 69.7 | 69.7 |
| 1200 | 67.5 | 69.6 | 69.7 | 69.9 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.6 | 70.6 | 70.6 |
| 1000 | 71.0 | 74.0 | 74.1 | 74.2 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 |
| 900 | 74.2 | 78.6 | 78.7 | 78.8 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.6 | 79.6 | 79.6 |
| 800 | 76.1 | 80.5 | 80.6 | 80.7 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.4 | 81.4 | 81.4 |
| 700 | 76.5 | 81.0 | 81.1 | 81.2 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.9 | 81.9 | 81.9 |
| 600 | 77.2 | 81.9 | 82.0 | 82.2 | 82.6 | 82.6 | 82.6 | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 |
| 500 | 78.6 | 83.7 | 83.8 | 83.9 | 84.4 | 84.4 | 84.4 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.0 | 85.0 | 85.0 |
| 450 | 80.5 | 86.3 | 86.4 | 86.5 | 87.0 | 87.0 | 87.0 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 |
| 400 | 82.7 | 89.1 | 89.2 | 89.4 | 89.8 | 89.8 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.4 | 90.4 | 90.4 |
| 350 | 84.3 | 91.0 | 91.1 | 91.3 | 91.7 | 91.7 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 |
| 300 | 85.5 | 92.4 | 92.7 | 92.8 | 93.3 | 93.3 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.9 | 93.9 | 93.9 |
| 250 | 86.1 | 93.0 | 93.3 | 93.4 | 93.9 | 93.9 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 |
| 200 | 86.4 | 93.6 | 94.1 | 94.2 | 94.8 | 94.8 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| 180 | 86.4 | 94.0 | 94.6 | 94.7 | 95.3 | 95.3 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 96.0 | 96.0 | 96.0 |
| 150 | 86.6 | 94.4 | 95.0 | 95.2 | 96.0 | 96.0 | 96.3 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 |
| 120 | 87.4 | 95.2 | 95.7 | 95.9 | 96.8 | 96.8 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 |
| 100 | 87.4 | 95.2 | 95.7 | 95.9 | 96.8 | 96.8 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 |
| 90 | 87.6 | 95.5 | 96.1 | 96.3 | 97.3 | 97.3 | 97.6 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 |
| 80 | 87.6 | 95.6 | 96.2 | 96.5 | 97.4 | 97.4 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 |
| 70 | 87.6 | 95.7 | 96.3 | 96.7 | 97.6 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 |
| 60 | 87.6 | 96.2 | 96.8 | 97.2 | 98.1 | 98.1 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 |
| 50 | 87.6 | 96.3 | 96.9 | 97.3 | 98.2 | 98.2 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 |
| 40 | 87.6 | 96.5 | 97.0 | 97.5 | 98.3 | 98.3 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 |
| 30 | 87.6 | 96.8 | 97.4 | 97.9 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| 20 | 87.6 | 96.8 | 97.4 | 97.9 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| 10 | 87.6 | 96.8 | 97.4 | 97.9 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| 0 | 87.6 | 96.8 | 97.4 | 97.9 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO. CEILING ≥ 20000 | 49.8 | 53.0 | 53.3 | 53.5 | 53.7 | 53.7 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.2 | 54.2 | 54.5 |
| IV 18000 | 60.1 | 64.2 | 64.6 | 64.8 | 65.0 | 65.0 | 65.1 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.5 | 65.5 | 65.9 |
| IV 16000 | 60.3 | 64.5 | 64.8 | 65.0 | 65.3 | 65.3 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.8 | 65.8 | 66.1 |
| IV 14000 | 60.8 | 65.0 | 65.4 | 65.6 | 65.9 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.4 | 66.4 | 66.7 |
| IV 12000 | 61.9 | 66.2 | 66.6 | 66.8 | 67.1 | 67.1 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.6 | 67.6 | 67.9 |
| IV 10000 | 63.3 | 67.8 | 68.2 | 68.4 | 68.7 | 68.7 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.2 | 69.2 | 69.5 |
| IV 9000 | 66.4 | 71.5 | 71.9 | 72.2 | 72.5 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 73.0 | 73.0 | 73.3 |
| IV 8000 | 68.5 | 74.4 | 74.9 | 75.2 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 76.0 | 76.0 | 76.3 |
| IV 7000 | 70.2 | 76.4 | 76.9 | 77.2 | 77.4 | 77.4 | 77.5 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 78.0 | 78.0 | 78.3 |
| IV 6000 | 71.4 | 77.7 | 78.2 | 78.5 | 78.8 | 78.8 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.3 | 79.3 | 79.7 |
| IV 5000 | 72.7 | 79.4 | 79.9 | 80.3 | 80.6 | 80.6 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 81.1 | 81.1 | 81.5 |
| IV 4500 | 73.7 | 80.8 | 81.3 | 81.6 | 82.0 | 82.0 | 82.1 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.6 | 82.6 | 82.9 |
| IV 4000 | 75.7 | 83.4 | 83.9 | 84.3 | 84.6 | 84.6 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.2 | 85.2 | 85.6 |
| IV 3500 | 77.2 | 85.1 | 85.6 | 86.1 | 86.4 | 86.4 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 87.1 | 87.1 | 87.4 |
| IV 3000 | 79.0 | 87.3 | 87.9 | 88.3 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.3 | 89.3 | 89.7 |
| IV 2500 | 80.1 | 88.8 | 89.4 | 89.8 | 90.2 | 90.2 | 90.4 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.9 | 90.9 | 91.2 |
| IV 2000 | 80.7 | 89.8 | 90.4 | 90.8 | 91.2 | 91.2 | 91.4 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.9 | 91.9 | 92.2 |
| IV 1800 | 81.5 | 90.9 | 91.6 | 92.0 | 92.5 | 92.5 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 93.2 | 93.2 | 93.5 |
| IV 1500 | 81.9 | 91.5 | 92.2 | 92.6 | 93.1 | 93.1 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.9 | 93.9 | 94.2 |
| IV 1200 | 82.3 | 92.2 | 93.0 | 93.4 | 93.9 | 93.9 | 94.1 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7 | 94.7 | 95.0 |
| IV 1000 | 82.8 | 92.9 | 93.8 | 94.3 | 94.8 | 94.8 | 95.0 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.6 | 95.6 | 95.9 |
| IV 900 | 82.9 | 93.3 | 94.2 | 94.6 | 95.2 | 95.2 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 96.0 | 96.0 | 96.3 |
| IV 800 | 83.1 | 93.7 | 94.6 | 95.1 | 95.7 | 95.7 | 95.9 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.8 |
| IV 700 | 83.2 | 94.1 | 95.0 | 95.5 | 96.1 | 96.1 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 97.0 | 97.0 | 97.3 |
| IV 600 | 83.2 | 94.3 | 95.3 | 95.8 | 96.4 | 96.4 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.3 | 97.3 | 97.6 |
| IV 500 | 83.4 | 94.9 | 95.9 | 96.5 | 97.1 | 97.1 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.0 | 98.0 | 98.3 |
| IV 400 | 83.4 | 95.0 | 96.0 | 96.6 | 97.3 | 97.3 | 97.6 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.6 |
| IV 300 | 83.4 | 95.1 | 96.2 | 96.8 | 97.5 | 97.5 | 97.8 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.5 | 98.5 | 98.8 |
| IV 200 | 83.4 | 95.2 | 96.3 | 97.0 | 97.7 | 97.7 | 98.1 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 99.4 |
| IV 100 | 83.4 | 95.2 | 96.3 | 97.0 | 97.7 | 97.7 | 98.2 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.6 |
| IV 0 | 83.4 | 95.2 | 96.3 | 97.0 | 97.7 | 97.7 | 98.2 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 6766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 62.2 | 65.8 | 66.2 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| ≥ 20000 | 72.6 | 76.6 | 77.0 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 18000 | 73.0 | 77.0 | 77.4 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 16000 | 73.1 | 77.1 | 77.5 | 77.8 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 14000 | 74.1 | 78.2 | 78.6 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| ≥ 12000 | 74.8 | 79.5 | 79.9 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 10000 | 76.6 | 82.4 | 82.8 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 9000 | 77.3 | 83.3 | 83.8 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 8000 | 78.3 | 84.4 | 85.1 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 7000 | 78.8 | 84.9 | 85.6 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 6000 | 79.9 | 86.1 | 86.8 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 5000 | 81.1 | 87.5 | 88.2 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 4500 | 82.3 | 89.5 | 90.2 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 4000 | 83.0 | 90.9 | 91.7 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 3500 | 84.5 | 92.5 | 93.3 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 3000 | 85.4 | 93.7 | 94.5 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 2500 | 86.3 | 94.7 | 95.6 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 2000 | 87.5 | 96.5 | 97.4 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 1800 | 87.5 | 96.6 | 97.6 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1500 | 87.5 | 97.2 | 98.3 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1200 | 87.6 | 97.7 | 98.8 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 87.6 | 97.7 | 98.8 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 900 | 87.6 | 97.7 | 98.8 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 800 | 87.7 | 97.8 | 99.1 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 87.7 | 97.8 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-74

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | 55.8 | 63.3 | 63.8 | 64.1 | 65.0 | 65.0 | 65.7 | 65.7 | 65.7 | 66.6 | 66.6 | 66.6 | 67.0 | 67.0 | 67.1 | 67.1 |
| ≥ 20000 | 64.0 | 72.7 | 73.5 | 73.9 | 74.8 | 74.8 | 75.5 | 75.5 | 75.5 | 76.4 | 76.4 | 76.4 | 76.8 | 76.8 | 76.9 | 76.9 |
| 18000 | 64.4 | 73.2 | 73.9 | 74.4 | 75.2 | 75.2 | 76.0 | 76.0 | 76.0 | 76.8 | 76.8 | 76.8 | 77.3 | 77.3 | 77.4 | 77.4 |
| 16000 | 64.9 | 73.6 | 74.4 | 74.8 | 75.6 | 75.6 | 76.4 | 76.4 | 76.4 | 77.3 | 77.3 | 77.3 | 77.7 | 77.7 | 77.8 | 77.8 |
| 14000 | 65.4 | 74.2 | 75.0 | 75.4 | 76.3 | 76.3 | 77.0 | 77.0 | 77.0 | 77.9 | 77.9 | 77.9 | 78.3 | 78.3 | 78.4 | 78.4 |
| 12000 | 66.8 | 76.1 | 76.8 | 77.3 | 78.1 | 78.1 | 78.9 | 78.9 | 78.9 | 79.7 | 79.7 | 79.7 | 80.2 | 80.2 | 80.3 | 80.3 |
| 10000 | 68.4 | 78.1 | 78.9 | 79.3 | 80.2 | 80.2 | 80.9 | 80.9 | 80.9 | 81.8 | 81.8 | 81.8 | 82.2 | 82.2 | 82.3 | 82.3 |
| 9000 | 68.9 | 79.1 | 79.8 | 80.3 | 81.1 | 81.1 | 81.9 | 81.9 | 81.9 | 82.8 | 82.8 | 82.8 | 83.2 | 83.2 | 83.3 | 83.3 |
| 8000 | 69.5 | 79.7 | 80.6 | 81.0 | 81.9 | 81.9 | 82.7 | 82.7 | 82.7 | 83.5 | 83.5 | 83.5 | 83.9 | 83.9 | 84.1 | 84.1 |
| 7000 | 69.8 | 80.2 | 81.0 | 81.5 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 84.4 | 84.4 | 84.5 | 84.5 |
| 6000 | 70.3 | 80.6 | 81.5 | 81.9 | 82.8 | 82.8 | 83.5 | 83.5 | 83.5 | 84.4 | 84.4 | 84.4 | 84.8 | 84.8 | 84.9 | 84.9 |
| 5000 | 71.4 | 82.1 | 83.0 | 83.4 | 84.3 | 84.3 | 85.0 | 85.0 | 85.0 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 | 86.4 | 86.4 |
| 4500 | 72.1 | 83.3 | 84.2 | 84.6 | 85.5 | 85.5 | 86.2 | 86.2 | 86.2 | 87.1 | 87.1 | 87.1 | 87.5 | 87.5 | 87.6 | 87.6 |
| 4000 | 72.8 | 84.8 | 85.7 | 86.1 | 87.0 | 87.0 | 87.7 | 87.7 | 87.7 | 88.6 | 88.6 | 88.6 | 89.0 | 89.0 | 89.1 | 89.1 |
| 3500 | 74.2 | 86.5 | 87.4 | 87.8 | 88.7 | 88.7 | 89.4 | 89.4 | 89.4 | 90.3 | 90.3 | 90.3 | 90.7 | 90.7 | 90.8 | 90.8 |
| 3000 | 75.3 | 87.9 | 88.8 | 89.2 | 90.1 | 90.1 | 90.8 | 90.8 | 90.8 | 91.7 | 91.7 | 91.7 | 92.1 | 92.1 | 92.2 | 92.2 |
| 2500 | 76.0 | 88.7 | 89.5 | 90.0 | 90.8 | 90.8 | 91.6 | 91.6 | 91.6 | 92.5 | 92.5 | 92.5 | 92.9 | 92.9 | 93.0 | 93.0 |
| 2000 | 77.2 | 90.7 | 91.7 | 92.1 | 93.0 | 93.0 | 93.8 | 93.8 | 93.8 | 94.6 | 94.6 | 94.6 | 95.0 | 95.0 | 95.2 | 95.2 |
| 1800 | 77.6 | 91.2 | 92.1 | 92.6 | 93.4 | 93.4 | 94.2 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 | 95.5 | 95.5 | 95.6 | 95.6 |
| 1500 | 77.9 | 91.8 | 92.9 | 93.3 | 94.2 | 94.2 | 94.9 | 94.9 | 94.9 | 95.8 | 95.8 | 95.8 | 96.2 | 96.2 | 96.3 | 96.3 |
| 1200 | 78.1 | 92.3 | 93.5 | 94.0 | 94.8 | 94.8 | 95.6 | 95.6 | 95.6 | 96.4 | 96.4 | 96.4 | 96.9 | 96.9 | 97.0 | 97.0 |
| 1000 | 78.7 | 92.9 | 94.1 | 94.5 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 97.0 | 97.0 | 97.0 | 97.4 | 97.4 | 97.5 | 97.5 |
| 900 | 79.0 | 93.2 | 94.6 | 95.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.2 | 98.2 |
| 800 | 79.0 | 93.8 | 95.2 | 95.6 | 96.6 | 96.6 | 97.3 | 97.3 | 97.3 | 98.2 | 98.2 | 98.2 | 98.6 | 98.6 | 98.7 | 98.7 |
| 700 | 79.1 | 93.9 | 95.3 | 95.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.3 | 98.3 | 98.3 | 98.7 | 98.7 | 98.8 | 98.8 |
| 600 | 79.1 | 93.9 | 95.3 | 95.7 | 96.8 | 96.8 | 97.5 | 97.5 | 97.5 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 |
| 500 | 79.2 | 94.0 | 95.4 | 95.8 | 97.0 | 97.0 | 97.7 | 97.7 | 97.7 | 98.6 | 98.6 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 |
| 400 | 79.2 | 94.5 | 95.9 | 96.3 | 97.6 | 97.6 | 98.3 | 98.3 | 98.3 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 |
| 300 | 79.2 | 94.5 | 95.9 | 96.3 | 97.7 | 97.7 | 98.6 | 98.6 | 98.6 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| 200 | 79.2 | 94.5 | 95.9 | 96.3 | 97.7 | 97.7 | 98.6 | 98.6 | 98.6 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| 100 | 79.2 | 94.5 | 95.9 | 96.3 | 97.7 | 97.7 | 98.6 | 98.6 | 98.6 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| 0 | 79.2 | 94.5 | 95.9 | 96.3 | 97.7 | 97.7 | 98.6 | 98.6 | 98.6 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|---------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .03 | ≥ .01 | ≥ 0 |
| NO. CEILING ≥ 20000 | 42.2 | 49.6 | 50.6 | 52.3 | 53.2 | 53.2 | 54.0 | 54.3 | 54.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.8 | 55.8 | 56.5 |
| ≥ 18000 | 52.2 | 63.7 | 64.8 | 66.6 | 67.6 | 67.6 | 68.4 | 68.8 | 68.8 | 69.7 | 69.7 | 69.7 | 69.7 | 70.4 | 70.4 | 71.0 |
| ≥ 16000 | 52.5 | 64.0 | 65.1 | 66.9 | 67.9 | 67.9 | 68.8 | 69.1 | 69.1 | 70.0 | 70.0 | 70.0 | 70.0 | 70.7 | 70.7 | 71.3 |
| ≥ 14000 | 53.1 | 64.9 | 65.8 | 67.7 | 68.6 | 68.6 | 69.5 | 69.8 | 69.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.4 | 71.4 | 72.1 |
| ≥ 12000 | 54.6 | 66.3 | 67.3 | 69.2 | 70.3 | 70.3 | 71.1 | 71.4 | 71.4 | 72.4 | 72.4 | 72.4 | 72.4 | 73.1 | 73.1 | 73.7 |
| ≥ 10000 | 55.9 | 67.9 | 69.0 | 70.8 | 71.9 | 71.9 | 72.7 | 73.1 | 73.1 | 74.0 | 74.0 | 74.0 | 74.0 | 74.7 | 74.7 | 75.3 |
| ≥ 9000 | 57.5 | 69.9 | 71.0 | 72.8 | 73.9 | 73.9 | 74.8 | 75.1 | 75.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.7 | 76.7 | 77.4 |
| ≥ 8000 | 58.8 | 71.8 | 72.8 | 74.7 | 75.8 | 75.8 | 76.6 | 76.9 | 76.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.6 | 78.6 | 79.2 |
| ≥ 7000 | 59.8 | 73.1 | 74.1 | 76.0 | 77.0 | 77.0 | 77.9 | 78.2 | 78.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.8 | 79.8 | 80.5 |
| ≥ 6000 | 60.3 | 73.7 | 74.8 | 76.6 | 77.7 | 77.7 | 78.6 | 78.9 | 78.9 | 79.8 | 79.8 | 79.8 | 79.8 | 80.5 | 80.5 | 81.1 |
| ≥ 5000 | 61.5 | 75.2 | 76.4 | 78.2 | 79.3 | 79.3 | 80.2 | 80.5 | 80.5 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 | 82.8 |
| ≥ 4500 | 62.1 | 75.9 | 77.0 | 78.9 | 80.0 | 80.0 | 80.8 | 81.1 | 81.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.8 | 82.8 | 83.4 |
| ≥ 4000 | 62.3 | 76.3 | 77.5 | 79.3 | 80.4 | 80.4 | 81.3 | 81.7 | 81.7 | 82.7 | 82.7 | 82.7 | 82.7 | 83.3 | 83.3 | 83.9 |
| ≥ 3500 | 63.6 | 78.4 | 79.6 | 81.5 | 82.5 | 82.5 | 83.4 | 83.8 | 83.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.5 | 85.5 | 86.2 |
| ≥ 3000 | 65.1 | 80.5 | 81.7 | 83.5 | 84.6 | 84.6 | 85.5 | 85.9 | 85.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.5 | 87.5 | 88.3 |
| ≥ 2500 | 66.4 | 82.2 | 83.5 | 85.3 | 86.5 | 86.5 | 87.4 | 87.8 | 87.8 | 88.8 | 88.8 | 88.8 | 88.8 | 89.4 | 89.4 | 90.2 |
| ≥ 2000 | 66.6 | 82.8 | 84.2 | 86.0 | 87.2 | 87.2 | 88.0 | 88.5 | 88.5 | 89.4 | 89.4 | 89.4 | 89.4 | 90.1 | 90.1 | 90.8 |
| ≥ 1800 | 66.8 | 83.9 | 85.3 | 87.3 | 88.5 | 88.5 | 89.4 | 89.9 | 89.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.6 | 91.6 | 92.3 |
| ≥ 1500 | 66.8 | 84.2 | 85.7 | 87.5 | 88.8 | 88.8 | 89.8 | 90.2 | 90.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.9 | 91.9 | 92.7 |
| ≥ 1200 | 67.1 | 84.7 | 86.2 | 88.0 | 89.3 | 89.3 | 90.3 | 90.7 | 90.7 | 91.8 | 91.8 | 91.8 | 91.8 | 92.5 | 92.5 | 93.2 |
| ≥ 1000 | 67.5 | 85.2 | 86.7 | 88.7 | 90.0 | 90.0 | 91.1 | 91.5 | 91.5 | 92.6 | 92.6 | 92.6 | 92.6 | 93.2 | 93.2 | 94.0 |
| ≥ 900 | 67.7 | 85.7 | 87.2 | 89.2 | 90.5 | 90.5 | 91.6 | 92.0 | 92.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.8 | 93.8 | 94.5 |
| ≥ 800 | 67.7 | 85.9 | 87.5 | 89.7 | 91.1 | 91.1 | 92.1 | 92.6 | 92.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.3 | 94.3 | 95.0 |
| ≥ 700 | 67.8 | 86.3 | 87.9 | 90.1 | 91.7 | 91.7 | 92.8 | 93.2 | 93.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.9 | 94.9 | 95.7 |
| ≥ 600 | 68.1 | 87.0 | 88.7 | 91.2 | 92.8 | 92.8 | 93.9 | 94.3 | 94.3 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.8 |
| ≥ 500 | 68.1 | 87.3 | 89.0 | 91.5 | 93.1 | 93.1 | 94.2 | 94.6 | 94.6 | 95.7 | 95.7 | 95.7 | 95.7 | 96.4 | 96.4 | 97.2 |
| ≥ 400 | 68.1 | 87.4 | 89.1 | 91.6 | 93.2 | 93.2 | 94.4 | 94.8 | 94.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.7 | 96.7 | 97.4 |
| ≥ 300 | 68.1 | 87.7 | 89.7 | 92.1 | 93.9 | 93.9 | 95.0 | 95.6 | 95.6 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 98.2 |
| ≥ 200 | 68.1 | 87.7 | 89.7 | 92.1 | 93.9 | 94.0 | 95.3 | 95.8 | 95.8 | 97.0 | 97.0 | 97.0 | 97.0 | 98.0 | 98.0 | 98.8 |
| ≥ 100 | 68.1 | 87.7 | 89.7 | 92.1 | 93.9 | 94.0 | 95.3 | 95.8 | 95.8 | 97.0 | 97.0 | 97.0 | 97.0 | 98.0 | 98.0 | 98.8 |
| ≥ 0 | 68.1 | 87.7 | 89.7 | 92.1 | 93.9 | 94.0 | 95.3 | 95.8 | 95.8 | 97.0 | 97.0 | 97.0 | 97.0 | 98.1 | 98.1 | 99.0 |

TOTAL NUMBER OF OBSERVATIONS 928

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ 0 |
| NO CEILING | 54.8 | 57.8 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| ≥ 20000 | 69.0 | 73.4 | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| IV 18000 | 69.7 | 74.2 | 74.4 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| IV 16000 | 70.3 | 74.9 | 75.2 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| IV 14000 | 71.4 | 76.0 | 76.2 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| IV 12000 | 72.4 | 77.2 | 77.4 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| IV 10000 | 73.4 | 78.4 | 78.6 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| IV 9000 | 74.4 | 79.6 | 79.8 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| IV 8000 | 76.2 | 81.7 | 81.9 | 82.2 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| IV 7000 | 77.2 | 82.7 | 82.9 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 6000 | 78.5 | 84.0 | 84.2 | 84.4 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| IV 5000 | 79.6 | 85.5 | 85.8 | 86.0 | 86.1 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| IV 4500 | 80.9 | 87.2 | 87.5 | 87.7 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 4000 | 83.1 | 89.9 | 90.2 | 90.4 | 90.5 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| IV 3500 | 84.2 | 91.2 | 91.5 | 91.7 | 91.8 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| IV 3000 | 84.8 | 92.5 | 92.8 | 93.0 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 2500 | 85.2 | 92.8 | 93.1 | 93.3 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IV 2000 | 86.0 | 94.1 | 94.4 | 94.7 | 94.9 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 |
| IV 1800 | 86.1 | 94.3 | 94.7 | 95.1 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 1500 | 86.3 | 94.6 | 95.2 | 95.6 | 95.8 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 1200 | 86.7 | 95.3 | 95.9 | 96.5 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 1000 | 87.0 | 95.9 | 96.7 | 97.2 | 97.5 | 97.5 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 900 | 87.0 | 96.0 | 97.0 | 97.6 | 98.0 | 98.0 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 800 | 87.0 | 96.0 | 97.1 | 97.7 | 98.1 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 700 | 87.1 | 96.1 | 97.2 | 98.0 | 98.3 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| IV 600 | 87.1 | 96.3 | 97.6 | 98.4 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 500 | 87.1 | 96.3 | 97.6 | 98.4 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 400 | 87.1 | 96.5 | 97.7 | 98.5 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 300 | 87.1 | 96.5 | 97.7 | 98.5 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 200 | 87.1 | 96.5 | 97.7 | 98.5 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 100 | 87.1 | 96.5 | 97.7 | 98.5 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 0 | 87.1 | 96.5 | 97.7 | 98.5 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

920

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 58.2 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 20000 | 76.3 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 18000 | 76.8 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| ≥ 16000 | 77.2 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 14000 | 77.7 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 12000 | 79.4 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| ≥ 10000 | 80.9 | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| ≥ 9000 | 81.7 | 83.8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 8000 | 82.6 | 84.7 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 7000 | 83.3 | 85.6 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 6000 | 84.9 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 5000 | 85.7 | 88.2 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 4500 | 87.1 | 89.6 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 4000 | 88.2 | 90.9 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 3500 | 90.6 | 93.7 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 3000 | 91.6 | 95.3 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 2500 | 92.2 | 96.1 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 2000 | 92.7 | 96.9 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 1800 | 92.8 | 97.1 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 1500 | 92.9 | 97.6 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 1200 | 92.9 | 97.8 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 1000 | 93.1 | 98.2 | 98.6 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 900 | 93.1 | 98.2 | 98.6 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 800 | 93.1 | 98.3 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 700 | 93.1 | 98.6 | 99.0 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 93.1 | 98.7 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 93.1 | 98.8 | 99.4 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 93.1 | 98.8 | 99.4 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 93.1 | 98.8 | 99.4 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 93.1 | 98.8 | 99.4 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 93.1 | 98.8 | 99.4 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 93.1 | 98.8 | 99.4 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS T.S.T.

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ 0 |
| NO CEILING | 58.2 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| ≥ 20000 | 77.1 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 18000 | 77.1 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 16000 | 77.8 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 14000 | 79.2 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 12000 | 80.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| 10000 | 82.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| 9000 | 83.7 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 8000 | 84.9 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 7000 | 85.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 6000 | 87.0 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 5000 | 87.8 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 4500 | 88.2 | 91.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 4000 | 89.1 | 92.9 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 3500 | 89.9 | 94.0 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 3000 | 91.2 | 95.9 | 96.4 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 2500 | 91.6 | 96.3 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 2000 | 91.8 | 97.3 | 97.8 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 1800 | 91.9 | 97.4 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 1500 | 92.1 | 97.7 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 1200 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 1000 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 900 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 800 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 700 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 600 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 500 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 400 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 300 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 200 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0 | 92.4 | 98.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12860

KSC SHUTTLE APT FL

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING | 60.6 | 67.2 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 20000 | 78.6 | 80.2 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 18000 | 78.6 | 80.2 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 16000 | 78.9 | 80.5 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| ≥ 14000 | 79.8 | 81.5 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 12000 | 81.0 | 82.8 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 10000 | 82.5 | 84.5 | 84.9 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 9000 | 83.5 | 86.2 | 86.5 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 8000 | 84.4 | 87.6 | 87.9 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 7000 | 85.1 | 88.4 | 88.8 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 6000 | 86.1 | 89.9 | 90.4 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 5000 | 86.7 | 90.6 | 91.0 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 4500 | 87.6 | 92.2 | 92.6 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 4000 | 88.4 | 93.8 | 94.4 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 3500 | 89.2 | 95.0 | 95.6 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 3000 | 89.8 | 95.8 | 96.4 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 2500 | 90.7 | 97.1 | 97.7 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 2000 | 90.9 | 97.6 | 98.3 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 1800 | 90.9 | 97.6 | 98.3 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 1500 | 91.0 | 97.9 | 98.6 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1200 | 91.0 | 98.2 | 98.8 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1000 | 91.0 | 98.3 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 900 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 91.1 | 98.4 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 925

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATIONKSC SHUTTLE APT FL
STATION NAME70-79
YEARMAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300
TIME PERIOD

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 | 10 | 8 | 6 | 4 | 2 | 1 | 0 |
| NO CEILING | 67.1 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| ≥ 20000 | 76.1 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 18000 | 76.5 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 16000 | 76.5 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 14000 | 77.2 | 78.7 | 78.7 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 12000 | 79.1 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| 10000 | 80.8 | 82.6 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 9000 | 81.4 | 83.5 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 8000 | 82.2 | 84.5 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 7000 | 83.0 | 85.2 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 6000 | 84.3 | 86.6 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 5000 | 85.4 | 87.9 | 88.2 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 4500 | 87.7 | 91.2 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 4000 | 88.1 | 92.2 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 3500 | 89.5 | 94.0 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 3000 | 90.3 | 95.0 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 2500 | 91.7 | 97.1 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 2000 | 92.2 | 97.6 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 1800 | 92.3 | 97.6 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1500 | 92.4 | 98.1 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 1200 | 92.6 | 98.2 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 1000 | 92.6 | 98.2 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 900 | 92.6 | 98.2 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 800 | 92.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 700 | 92.6 | 98.3 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 600 | 92.6 | 98.5 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 500 | 92.6 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 92.6 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 92.6 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 92.6 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 92.6 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 92.6 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 57.4 | 60.7 | 61.0 | 61.3 | 61.5 | 61.5 | 61.7 | 61.8 | 61.8 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.2 | 62.2 |
| ≥ 20000 | 70.7 | 75.1 | 75.5 | 75.8 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.8 | 76.8 |
| ≥ 18000 | 71.1 | 75.4 | 75.8 | 76.2 | 76.4 | 76.4 | 76.6 | 76.7 | 76.7 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.2 | 77.2 |
| ≥ 16000 | 71.5 | 75.9 | 76.3 | 76.6 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.6 | 77.6 |
| ≥ 14000 | 72.4 | 76.9 | 77.3 | 77.6 | 77.9 | 77.9 | 78.1 | 78.1 | 78.1 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.6 | 78.6 |
| ≥ 12000 | 73.8 | 78.5 | 78.9 | 79.2 | 79.5 | 79.5 | 79.7 | 79.7 | 79.7 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.2 |
| ≥ 10000 | 75.3 | 80.4 | 80.8 | 81.2 | 81.5 | 81.5 | 81.7 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.2 | 82.2 |
| ≥ 9000 | 76.2 | 81.7 | 82.1 | 82.5 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.5 | 83.5 |
| ≥ 8000 | 77.2 | 82.9 | 83.4 | 83.8 | 84.1 | 84.1 | 84.3 | 84.3 | 84.3 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.8 | 84.8 |
| ≥ 7000 | 77.9 | 83.7 | 84.2 | 84.6 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.6 | 85.6 |
| ≥ 6000 | 79.0 | 85.0 | 85.5 | 85.9 | 86.2 | 86.2 | 86.5 | 86.5 | 86.5 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 |
| ≥ 5000 | 80.0 | 86.1 | 86.7 | 87.1 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.1 | 88.1 |
| ≥ 4500 | 81.0 | 87.6 | 88.2 | 88.6 | 88.9 | 88.9 | 89.1 | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.6 | 89.7 |
| ≥ 4000 | 82.1 | 89.2 | 89.8 | 90.3 | 90.6 | 90.6 | 90.8 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.4 | 91.4 |
| ≥ 3500 | 83.4 | 90.9 | 91.5 | 92.0 | 92.3 | 92.3 | 92.5 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.1 | 93.1 |
| ≥ 3000 | 84.4 | 92.3 | 92.9 | 93.4 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.6 |
| ≥ 2500 | 85.0 | 93.2 | 93.9 | 94.4 | 94.7 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.5 | 95.5 |
| ≥ 2000 | 85.6 | 94.3 | 95.1 | 95.6 | 95.9 | 95.9 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.8 | 96.8 |
| ≥ 1800 | 85.8 | 94.5 | 95.3 | 95.8 | 96.2 | 96.2 | 96.4 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 |
| ≥ 1500 | 85.9 | 95.0 | 95.7 | 96.3 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 | 97.5 | 97.5 |
| ≥ 1200 | 86.1 | 95.4 | 96.2 | 96.8 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 98.0 | 98.1 |
| ≥ 1000 | 86.3 | 95.6 | 96.5 | 97.1 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 |
| ≥ 900 | 86.3 | 95.7 | 96.7 | 97.3 | 97.7 | 97.7 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 | 98.6 |
| ≥ 800 | 86.3 | 95.9 | 96.9 | 97.6 | 98.0 | 98.0 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 |
| ≥ 700 | 86.4 | 96.1 | 97.1 | 97.8 | 98.3 | 98.3 | 98.5 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 |
| ≥ 600 | 86.4 | 96.2 | 97.2 | 98.0 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 500 | 86.4 | 96.3 | 97.3 | 98.1 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 400 | 86.4 | 96.4 | 97.3 | 98.2 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 300 | 86.4 | 96.4 | 97.5 | 98.2 | 98.7 | 98.7 | 99.1 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 200 | 86.4 | 96.4 | 97.5 | 98.2 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 |
| ≥ 100 | 86.4 | 96.4 | 97.5 | 98.2 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 |
| ≥ 0 | 86.4 | 96.4 | 97.5 | 98.2 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7627

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808

KSC SHUTTLE APT FL

70-77

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

0000-0200

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ .005 |
| NO CEILING | 63.7 | 67.7 | 68.1 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| ≥ 20000 | 78.3 | 83.1 | 83.4 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 18000 | 79.1 | 83.9 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 16000 | 79.9 | 84.6 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 14000 | 80.8 | 85.5 | 85.9 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 12000 | 81.0 | 86.0 | 86.3 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 10000 | 83.8 | 88.9 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 9000 | 84.9 | 90.1 | 90.4 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 8000 | 85.5 | 91.2 | 91.5 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 7000 | 85.5 | 91.2 | 91.5 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 6000 | 86.3 | 92.1 | 92.4 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 5000 | 86.9 | 93.0 | 93.3 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 4500 | 87.8 | 94.3 | 94.7 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 4000 | 88.8 | 95.3 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 3500 | 90.3 | 97.0 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 3000 | 90.4 | 97.1 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 2500 | 90.7 | 97.6 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 2000 | 91.1 | 98.3 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1800 | 91.2 | 98.4 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1500 | 91.2 | 98.4 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1200 | 91.2 | 98.4 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1000 | 91.2 | 98.6 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 900 | 91.2 | 98.6 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 800 | 91.4 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 91.4 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 91.4 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 91.4 | 99.1 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 91.4 | 99.1 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 91.4 | 99.1 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 91.4 | 99.1 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 91.4 | 99.1 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 91.4 | 99.1 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12869

KSC SHUTTLE APT FL

70-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO. CEILING ≥ 20000 | 62.1 | 68.9 | 69.4 | 69.7 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.1 | 70.1 | 70.3 |
| ≥ 18000 | 72.9 | 80.3 | 80.9 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.6 | 81.6 | 81.8 |
| ≥ 16000 | 73.3 | 80.8 | 81.3 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 82.0 | 82.0 | 82.2 |
| ≥ 14000 | 74.2 | 81.7 | 82.2 | 82.4 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.9 | 82.9 | 83.1 |
| ≥ 12000 | 74.2 | 81.8 | 82.3 | 82.6 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 83.0 | 83.0 | 83.2 |
| ≥ 10000 | 75.1 | 82.7 | 83.2 | 83.4 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 84.1 |
| ≥ 8000 | 76.6 | 84.6 | 85.1 | 85.3 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 86.0 |
| ≥ 7000 | 77.4 | 86.6 | 87.1 | 87.3 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.8 | 87.8 | 88.0 |
| ≥ 6000 | 77.6 | 87.1 | 87.7 | 87.9 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.3 | 88.3 | 88.6 |
| ≥ 5000 | 77.9 | 87.6 | 88.1 | 88.3 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.8 | 88.8 | 89.0 |
| ≥ 4000 | 78.1 | 88.0 | 88.6 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.2 | 89.2 | 89.4 |
| ≥ 3000 | 78.8 | 89.4 | 90.0 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.7 | 90.7 | 90.9 |
| ≥ 2000 | 80.7 | 91.3 | 91.9 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.6 | 92.6 | 92.8 |
| ≥ 1800 | 81.9 | 93.4 | 94.0 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7 | 94.7 | 94.9 |
| ≥ 1600 | 82.6 | 94.7 | 95.2 | 95.4 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 96.1 |
| ≥ 1400 | 83.0 | 95.2 | 95.8 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.4 | 96.4 | 96.7 |
| ≥ 1200 | 83.4 | 95.9 | 96.4 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.3 |
| ≥ 1000 | 83.9 | 97.0 | 97.6 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.4 |
| ≥ 800 | 84.0 | 97.3 | 97.9 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.6 | 98.6 | 98.8 |
| ≥ 700 | 84.1 | 97.6 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 99.0 |
| ≥ 600 | 84.2 | 97.7 | 98.2 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 99.1 |
| ≥ 500 | 84.4 | 97.9 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.3 |
| ≥ 400 | 84.6 | 98.1 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.6 |
| ≥ 300 | 84.8 | 98.3 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 |
| ≥ 200 | 84.8 | 98.3 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 |
| ≥ 180 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 160 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 140 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 120 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 100 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 80 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 60 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 40 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 20 | 84.8 | 98.4 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

ALL INFORMATION ON THIS FORM IS OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

10-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|
| | ≥10 | ≥9 | ≥8 | ≥7 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥0 |
| NO CEILING | 48.8 | 58.8 | 59.9 | 60.6 | 61.8 | 61.8 | 62.0 | 62.0 | 62.0 | 62.8 | 62.8 | 62.8 | 63.2 | 63.2 | 63.2 | 63.6 |
| ≥ 20000 | 58.6 | 70.8 | 72.4 | 73.4 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 75.7 | 75.7 | 75.7 | 76.1 | 76.1 | 76.2 | 76.4 |
| 18000 | 58.9 | 71.1 | 72.8 | 73.8 | 75.0 | 75.0 | 75.2 | 75.2 | 75.2 | 76.0 | 76.0 | 76.0 | 76.4 | 76.4 | 76.6 | 76.8 |
| 16000 | 59.4 | 71.8 | 73.4 | 74.4 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 76.7 | 76.7 | 76.7 | 77.1 | 77.1 | 77.2 | 77.4 |
| 14000 | 59.9 | 72.7 | 74.3 | 75.3 | 76.6 | 76.6 | 76.8 | 76.8 | 76.8 | 77.6 | 77.6 | 77.6 | 78.0 | 78.0 | 78.1 | 78.3 |
| 12000 | 60.7 | 73.9 | 75.6 | 76.6 | 77.8 | 77.8 | 78.0 | 78.0 | 78.0 | 78.8 | 78.8 | 78.8 | 79.2 | 79.2 | 79.3 | 79.6 |
| 10000 | 62.7 | 76.4 | 78.3 | 79.3 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 | 81.6 | 81.6 | 81.6 | 82.0 | 82.0 | 82.1 | 82.3 |
| 9000 | 63.2 | 77.2 | 79.1 | 80.1 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 82.3 | 82.3 | 82.3 | 82.8 | 82.8 | 82.9 | 83.1 |
| 8000 | 64.0 | 78.2 | 80.1 | 81.1 | 82.3 | 82.3 | 82.7 | 82.7 | 82.7 | 83.4 | 83.4 | 83.4 | 83.9 | 83.9 | 84.0 | 84.2 |
| 7000 | 64.9 | 79.1 | 81.0 | 82.0 | 83.2 | 83.2 | 83.6 | 83.6 | 83.6 | 84.3 | 84.3 | 84.3 | 84.8 | 84.8 | 84.9 | 85.1 |
| 6000 | 65.9 | 80.2 | 82.1 | 83.1 | 84.4 | 84.4 | 84.8 | 84.8 | 84.8 | 85.6 | 85.6 | 85.6 | 86.0 | 86.0 | 86.1 | 86.3 |
| 5000 | 66.4 | 81.3 | 83.2 | 84.2 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 86.7 | 86.7 | 86.7 | 87.2 | 87.2 | 87.3 | 87.6 |
| 4500 | 67.8 | 82.9 | 84.9 | 86.0 | 87.3 | 87.3 | 87.7 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 89.0 | 89.0 | 89.1 | 89.3 |
| 4000 | 68.6 | 84.1 | 86.1 | 87.2 | 88.6 | 88.6 | 88.9 | 88.9 | 88.9 | 89.7 | 89.7 | 89.7 | 90.2 | 90.2 | 90.3 | 90.6 |
| 3500 | 69.4 | 85.6 | 87.6 | 88.7 | 90.0 | 90.0 | 90.3 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.7 | 91.7 | 91.8 | 92.0 |
| 3000 | 70.1 | 86.4 | 88.4 | 89.6 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.6 | 92.6 | 92.7 | 92.9 |
| 2500 | 70.6 | 87.0 | 89.0 | 90.1 | 91.4 | 91.4 | 91.8 | 91.8 | 91.8 | 92.6 | 92.6 | 92.6 | 93.1 | 93.1 | 93.2 | 93.4 |
| 2000 | 71.2 | 88.0 | 90.2 | 91.3 | 92.7 | 92.7 | 93.0 | 93.0 | 93.0 | 93.8 | 93.8 | 93.8 | 94.3 | 94.3 | 94.4 | 94.7 |
| 1800 | 71.3 | 88.2 | 90.4 | 91.6 | 92.9 | 92.9 | 93.2 | 93.2 | 93.2 | 94.0 | 94.0 | 94.0 | 94.6 | 94.6 | 94.7 | 94.9 |
| 1500 | 71.6 | 88.7 | 90.9 | 92.2 | 93.6 | 93.6 | 93.9 | 93.9 | 93.9 | 94.7 | 94.7 | 94.7 | 95.2 | 95.2 | 95.3 | 95.6 |
| 1200 | 72.1 | 89.4 | 91.7 | 93.0 | 94.4 | 94.4 | 94.8 | 94.8 | 94.8 | 95.6 | 95.6 | 95.6 | 96.1 | 96.1 | 96.2 | 96.4 |
| 1000 | 72.2 | 89.7 | 91.9 | 93.2 | 94.7 | 94.7 | 95.0 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 96.3 | 96.3 | 96.4 | 96.7 |
| 900 | 72.4 | 90.1 | 92.3 | 93.7 | 95.3 | 95.3 | 95.7 | 95.7 | 95.7 | 96.4 | 96.4 | 96.4 | 97.0 | 97.0 | 97.1 | 97.3 |
| 800 | 72.6 | 90.2 | 92.6 | 93.9 | 95.7 | 95.7 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 97.3 | 97.3 | 97.4 | 97.7 |
| 700 | 72.7 | 90.7 | 93.2 | 94.7 | 96.6 | 96.6 | 96.9 | 96.9 | 96.9 | 97.7 | 97.7 | 97.7 | 98.2 | 98.2 | 98.3 | 98.6 |
| 600 | 72.7 | 90.7 | 93.2 | 94.9 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.9 | 97.9 | 97.9 | 98.4 | 98.4 | 98.6 | 98.8 |
| 500 | 72.7 | 90.8 | 93.3 | 95.0 | 97.0 | 97.0 | 97.3 | 97.3 | 97.3 | 98.1 | 98.1 | 98.1 | 98.7 | 98.7 | 98.8 | 99.0 |
| 400 | 72.7 | 91.1 | 93.7 | 95.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.4 | 98.4 | 98.6 | 98.9 |
| 300 | 72.7 | 91.1 | 93.7 | 95.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.4 | 98.4 | 98.6 | 98.9 |
| 200 | 72.7 | 91.1 | 93.7 | 95.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.4 | 98.4 | 98.6 | 98.9 |
| 100 | 72.7 | 91.1 | 93.7 | 95.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.4 | 98.4 | 98.6 | 98.9 |
| 0 | 72.7 | 91.1 | 93.7 | 95.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.4 | 98.4 | 98.6 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 59.2 | 67.2 | 62.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 20000 | 71.9 | 76.4 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| ≥ 18000 | 72.1 | 76.8 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 16000 | 72.8 | 77.9 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| ≥ 14000 | 73.0 | 78.2 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 12000 | 73.8 | 79.3 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 10000 | 75.4 | 81.1 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 9000 | 75.7 | 81.4 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 8000 | 76.7 | 82.6 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 7000 | 77.4 | 83.3 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 6000 | 79.1 | 85.4 | 85.8 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 5000 | 80.4 | 87.3 | 87.7 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 4500 | 82.1 | 89.3 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 4000 | 82.3 | 90.0 | 90.3 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 3500 | 83.9 | 92.0 | 92.4 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 3000 | 84.4 | 92.8 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 2500 | 84.9 | 93.7 | 94.3 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 2000 | 86.4 | 95.7 | 96.3 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 1800 | 86.9 | 96.2 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 1500 | 87.6 | 97.1 | 97.8 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 1200 | 87.9 | 97.7 | 98.3 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 1000 | 87.9 | 97.7 | 98.4 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 900 | 87.9 | 97.8 | 98.6 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 800 | 87.9 | 98.0 | 98.8 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 700 | 87.9 | 98.1 | 99.0 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 87.9 | 98.3 | 99.1 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 87.9 | 98.3 | 99.1 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 87.9 | 98.3 | 99.1 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 87.9 | 98.3 | 99.1 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 87.9 | 98.3 | 99.1 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 87.9 | 98.3 | 99.1 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 87.9 | 98.3 | 99.1 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| NO. CEILING | 60.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥ 29000 | 77.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 18000 | 77.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 16000 | 77.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| ≥ 14000 | 78.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 12000 | 80.9 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥ 10000 | 82.4 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 9000 | 82.8 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 8000 | 84.3 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 7000 | 84.6 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 6000 | 85.3 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 5000 | 86.4 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 4500 | 87.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 4000 | 87.9 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 3500 | 89.4 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 3000 | 90.2 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 2500 | 90.7 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 2000 | 91.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1800 | 91.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1500 | 91.3 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1200 | 91.3 | 98.6 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1000 | 91.3 | 98.7 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 900 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 91.3 | 98.8 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO. CEILING | 58.2 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 20000 | 78.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| IV 18000 | 78.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| IV 15000 | 78.5 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 14000 | 79.3 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| IV 12000 | 81.4 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| IV 10000 | 83.1 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| IV 9000 | 84.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| IV 8000 | 85.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| IV 7000 | 86.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| IV 6000 | 87.8 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 5000 | 88.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 4500 | 89.1 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 4000 | 89.7 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 3500 | 90.7 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 3000 | 91.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 2500 | 91.2 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 2000 | 91.3 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1800 | 91.5 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1500 | 91.5 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1200 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 91.7 | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808

KSC SHUTTLE APT FL

70-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥0 |
| NO CEILING | 61.5 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| ≥ 20000 | 80.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 18000 | 80.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 16000 | 81.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| IV 14000 | 82.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| IV 12000 | 83.0 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| IV 10000 | 84.1 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| IV 9000 | 85.4 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| IV 8000 | 86.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| IV 7000 | 87.6 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IV 6000 | 88.6 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| IV 5000 | 89.3 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| IV 4500 | 90.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 4000 | 91.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 3500 | 91.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 3000 | 92.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 2500 | 92.4 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 2000 | 92.8 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1800 | 92.8 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1500 | 93.0 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1200 | 93.0 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1000 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 93.1 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| NO CEILING | 70.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 20000 | 83.6 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 18000 | 83.6 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 16000 | 84.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 14000 | 84.6 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 12000 | 85.2 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 10000 | 86.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 9000 | 88.1 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 8000 | 89.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 7000 | 89.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 6000 | 90.9 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 5000 | 91.8 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 4500 | 93.0 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 4000 | 93.1 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 3500 | 94.2 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 3000 | 94.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 2500 | 95.1 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2000 | 95.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 95.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 95.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 95.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 95.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 95.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 2 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| NO. CEILING | 60.5 | 64.5 | 64.7 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.4 |
| ≥ 20000 | 75.1 | 80.1 | 80.5 | 80.7 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 |
| IV 18000 | 75.4 | 80.4 | 80.8 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 |
| IV 16000 | 76.0 | 81.2 | 81.5 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.2 | 82.2 |
| IV 14000 | 76.6 | 81.8 | 82.2 | 82.3 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 |
| IV 12000 | 77.6 | 83.0 | 83.4 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.1 |
| IV 10000 | 79.4 | 85.0 | 85.4 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.1 | 86.1 |
| IV 9000 | 80.2 | 86.2 | 86.6 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 |
| IV 8000 | 81.2 | 87.6 | 88.0 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.7 | 88.7 |
| IV 7000 | 81.8 | 88.3 | 88.7 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.4 |
| IV 6000 | 82.8 | 89.5 | 90.0 | 90.1 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.7 |
| IV 5000 | 83.5 | 90.8 | 91.2 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 |
| IV 4500 | 84.7 | 92.3 | 92.7 | 92.9 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.5 |
| IV 4000 | 85.4 | 93.3 | 93.7 | 93.9 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 |
| IV 3500 | 86.5 | 94.6 | 95.1 | 95.3 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 3000 | 87.0 | 95.4 | 95.9 | 96.1 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 |
| IV 2500 | 87.4 | 96.1 | 96.6 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 2000 | 88.0 | 96.9 | 97.3 | 97.5 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 |
| IV 1800 | 88.1 | 97.1 | 97.7 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 1500 | 88.2 | 97.3 | 97.9 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 |
| IV 1200 | 88.4 | 97.6 | 98.2 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 1000 | 88.4 | 97.7 | 98.3 | 98.6 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 900 | 88.5 | 97.8 | 98.4 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 800 | 88.5 | 97.9 | 98.6 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 |
| IV 700 | 88.6 | 98.0 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 88.6 | 98.0 | 98.7 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| IV 500 | 88.6 | 98.0 | 98.7 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 |
| IV 400 | 88.6 | 98.1 | 98.8 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 300 | 88.6 | 98.1 | 98.8 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 200 | 88.6 | 98.1 | 98.8 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 100 | 88.6 | 98.1 | 98.8 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 0 | 88.6 | 98.1 | 98.8 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7196

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 62.8 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 20000 | 77.0 | 81.2 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 18000 | 77.0 | 81.2 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 16000 | 78.0 | 82.3 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 14000 | 78.8 | 83.1 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 12000 | 82.0 | 86.4 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| 10000 | 84.4 | 89.1 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 9000 | 87.1 | 91.9 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 8000 | 88.1 | 92.9 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 7000 | 88.4 | 93.2 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 6000 | 88.8 | 93.6 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 5000 | 89.7 | 94.6 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 4500 | 90.3 | 95.7 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 4000 | 91.3 | 96.9 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 3500 | 91.9 | 97.5 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 3000 | 92.1 | 97.7 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 2500 | 92.5 | 98.5 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 2000 | 92.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 1800 | 92.9 | 99.0 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1500 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1200 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1000 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 900 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 800 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 700 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 600 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 500 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 400 | 93.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 300 | 93.2 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 93.2 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 93.2 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 93.2 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATIONKSC SHUTTLE APT FL
STATION NAME70-79
YEARSMAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 2 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| NO CEILING | 63.3 | 67.4 | 67.6 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| ≥ 20000 | 78.2 | 83.8 | 84.0 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥ 18000 | 78.5 | 84.1 | 84.3 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| ≥ 16000 | 79.1 | 84.8 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 14000 | 80.2 | 85.9 | 86.1 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 12000 | 81.7 | 87.6 | 87.8 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 10000 | 82.7 | 89.7 | 89.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 9000 | 83.7 | 89.8 | 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 8000 | 84.1 | 90.2 | 90.4 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 7000 | 84.3 | 90.5 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 6000 | 84.6 | 91.1 | 91.4 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 5000 | 86.0 | 92.6 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 4500 | 87.0 | 93.5 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 4000 | 87.3 | 94.6 | 94.9 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 3500 | 88.9 | 95.9 | 96.3 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 3000 | 89.4 | 96.3 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 2500 | 89.8 | 96.8 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 2000 | 90.2 | 97.5 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 1800 | 90.2 | 97.5 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 1500 | 90.4 | 97.7 | 98.2 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 1200 | 90.6 | 98.0 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 1000 | 91.1 | 98.4 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 900 | 91.1 | 98.4 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 800 | 91.2 | 98.5 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 700 | 91.3 | 98.6 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 600 | 91.4 | 98.8 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 500 | 91.4 | 98.8 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 400 | 91.4 | 99.0 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 91.6 | 99.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 91.6 | 99.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 91.6 | 99.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 91.6 | 99.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 46.8 | 53.2 | 54.2 | 55.3 | 55.5 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.8 |
| ≥ 20000 | 63.4 | 73.0 | 74.3 | 75.4 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 76.1 |
| ≥ 18000 | 63.5 | 73.1 | 74.4 | 75.5 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.2 |
| ≥ 16000 | 65.3 | 75.1 | 76.3 | 77.4 | 77.7 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.2 |
| ≥ 14000 | 66.5 | 76.2 | 77.5 | 78.6 | 78.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.4 |
| ≥ 12000 | 68.6 | 78.7 | 80.0 | 81.1 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 |
| ≥ 10000 | 70.8 | 81.4 | 82.7 | 83.8 | 84.1 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.5 |
| ≥ 9000 | 72.6 | 83.5 | 84.8 | 85.9 | 86.2 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.7 |
| ≥ 8000 | 73.4 | 84.7 | 86.0 | 87.1 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.8 |
| ≥ 7000 | 75.1 | 86.3 | 87.6 | 88.7 | 89.0 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.5 |
| ≥ 6000 | 75.9 | 87.2 | 88.5 | 89.6 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.3 |
| ≥ 5000 | 76.5 | 88.0 | 89.2 | 90.3 | 90.6 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1 |
| ≥ 4500 | 77.0 | 88.6 | 89.9 | 91.1 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.8 |
| ≥ 4000 | 77.7 | 89.7 | 91.0 | 92.3 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 93.0 |
| ≥ 3500 | 78.2 | 90.3 | 91.6 | 92.9 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.7 |
| ≥ 3000 | 78.4 | 90.6 | 91.9 | 93.2 | 93.5 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.0 |
| ≥ 2500 | 78.6 | 91.0 | 92.4 | 93.7 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 |
| ≥ 2000 | 78.9 | 91.9 | 93.3 | 94.6 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 |
| ≥ 1800 | 79.1 | 92.3 | 93.7 | 94.9 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.7 |
| ≥ 1500 | 79.2 | 92.8 | 94.2 | 95.5 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.3 |
| ≥ 1200 | 79.7 | 93.8 | 95.3 | 96.6 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 |
| ≥ 1000 | 79.8 | 94.0 | 95.5 | 96.8 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.7 |
| ≥ 900 | 79.9 | 94.1 | 95.6 | 96.9 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 |
| ≥ 800 | 80.1 | 94.7 | 96.2 | 97.5 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 |
| ≥ 700 | 80.3 | 95.2 | 96.7 | 98.0 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 |
| ≥ 600 | 80.3 | 95.2 | 96.7 | 98.0 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 |
| ≥ 500 | 80.3 | 95.4 | 96.9 | 98.2 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 |
| ≥ 400 | 80.3 | 95.7 | 97.4 | 98.7 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| ≥ 300 | 80.3 | 95.7 | 97.4 | 98.7 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 |
| ≥ 200 | 80.3 | 95.7 | 97.4 | 98.7 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |
| ≥ 100 | 80.3 | 95.7 | 97.4 | 98.7 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |
| ≥ 0 | 80.3 | 95.7 | 97.4 | 98.7 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 50.4 | 53.8 | 54.2 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| ≥ 20000 | 70.3 | 75.2 | 75.6 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 18000 | 70.6 | 75.6 | 76.0 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 16000 | 71.8 | 76.9 | 77.3 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 14000 | 72.9 | 78.1 | 78.5 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 12000 | 75.7 | 81.2 | 81.6 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 10000 | 77.7 | 83.7 | 84.2 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 9000 | 78.7 | 84.6 | 85.2 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 8000 | 79.2 | 85.3 | 85.8 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| 7000 | 80.3 | 86.5 | 87.0 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| 6000 | 81.0 | 87.4 | 88.0 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 5000 | 81.9 | 88.8 | 89.4 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 4500 | 82.6 | 89.8 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 4000 | 82.9 | 90.2 | 90.8 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 3500 | 83.4 | 91.0 | 91.6 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 3000 | 84.5 | 92.2 | 92.8 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 2500 | 85.5 | 93.3 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 2000 | 86.7 | 94.7 | 95.4 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 1800 | 87.2 | 95.3 | 95.9 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 1500 | 87.6 | 96.2 | 96.9 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 1200 | 88.8 | 97.8 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 1000 | 88.8 | 97.8 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 900 | 88.8 | 97.8 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 800 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 700 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 600 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 88.8 | 98.1 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

70-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥8 | ≥6 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING | 47.3 | 49.6 | 50.5 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| ≥ 20000 | 72.6 | 75.9 | 76.9 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 18000 | 72.6 | 75.9 | 76.9 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 16000 | 73.3 | 76.8 | 77.7 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 14000 | 74.6 | 78.5 | 79.5 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 12000 | 78.1 | 82.3 | 83.2 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| ≥ 10000 | 80.1 | 85.5 | 86.6 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 9000 | 81.0 | 86.5 | 87.5 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 8000 | 82.0 | 87.7 | 88.8 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 7000 | 82.6 | 88.3 | 89.4 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 6000 | 82.9 | 88.7 | 89.8 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 5000 | 83.5 | 89.4 | 90.4 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 4500 | 84.0 | 90.1 | 91.2 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 4000 | 84.9 | 91.4 | 92.5 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 3500 | 85.7 | 92.6 | 93.7 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 3000 | 87.5 | 94.7 | 95.8 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 2500 | 88.4 | 95.7 | 96.8 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 2000 | 88.9 | 96.6 | 97.7 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 1800 | 89.5 | 97.1 | 98.3 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 89.5 | 97.1 | 98.3 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 89.5 | 97.1 | 98.3 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 89.5 | 97.1 | 98.3 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 89.5 | 97.1 | 98.3 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 89.5 | 97.1 | 98.3 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 89.5 | 97.1 | 98.3 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 89.5 | 97.2 | 98.4 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 89.5 | 97.2 | 98.4 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 89.5 | 97.2 | 98.4 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 89.5 | 97.2 | 98.4 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 89.5 | 97.2 | 98.4 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 89.5 | 97.2 | 98.4 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 89.5 | 97.2 | 98.4 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17808

KSC SHUTTLE APT FL

70-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| CEILING FEET | VISIBILITY STAT. IN MILES | | | | | | | | | | | | | | | |
|------------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 210 | 20 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| NO. CEILING ≥ 20000 | 43.2 | 46.7 | 47.7 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| MIN 18000 | 72.5 | 76.8 | 77.8 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| MIN 16000 | 72.5 | 76.8 | 77.8 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| MIN 14000 | 72.5 | 76.8 | 77.8 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| MIN 12000 | 74.1 | 78.5 | 79.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| MIN 10000 | 76.2 | 81.3 | 82.5 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| MIN 8000 | 79.1 | 85.5 | 86.7 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| MIN 6000 | 80.6 | 88.2 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| MIN 4000 | 81.1 | 88.7 | 89.9 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| MIN 3000 | 81.3 | 88.9 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| MIN 2000 | 81.4 | 89.1 | 90.4 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| MIN 1500 | 81.9 | 90.4 | 91.6 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| MIN 1000 | 83.0 | 91.9 | 93.4 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| MIN 800 | 83.3 | 92.4 | 93.9 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| MIN 600 | 84.2 | 93.3 | 94.9 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| MIN 400 | 85.1 | 94.3 | 96.0 | 96.5 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| MIN 300 | 85.5 | 95.2 | 96.9 | 97.3 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| MIN 200 | 86.0 | 96.1 | 98.0 | 98.6 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| MIN 150 | 86.0 | 96.1 | 98.0 | 98.6 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| MIN 100 | 86.0 | 96.1 | 98.0 | 98.6 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| MIN 75 | 86.1 | 96.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| MIN 50 | 86.1 | 96.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| MIN 25 | 86.1 | 96.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| MIN 10 | 86.1 | 96.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| MIN 5 | 86.1 | 96.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| MIN 0 | 86.1 | 96.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 92

AD-A001 403 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC. P/O O/S
KSC SHUTTLE APT, TITUSVILLE, FLORIDA. REVISED UNIFORM SUMMARY G--ETC(U)
NOV 79
UNCLASSIFIED USAFETAC/DE-00/000 ML

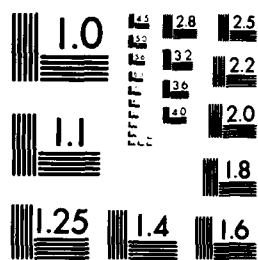
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER-ETC F/O 9/2
KSC SHUTTLE APT, TITUSVILLE, FLORIDA. REVISED UNIFORM SUMMARY 0-ETC(U)
NOV 79
USAFETAC/D2-00/000

UNCLASSIFIED

USAF/ETAC/DB-00/000

14

3.5



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS, L.S.

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ 0 |
| NO CEILING | 42.9 | 45.8 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 26000 | 70.4 | 75.1 | 75.3 | 75.7 | 75.9 | 75.9 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 18000 | 70.7 | 75.3 | 75.7 | 75.9 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| 16000 | 71.2 | 75.9 | 76.4 | 76.6 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 14000 | 72.5 | 77.2 | 77.7 | 77.9 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 12000 | 75.2 | 80.5 | 80.9 | 81.1 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 10000 | 79.1 | 85.5 | 86.1 | 86.3 | 86.6 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| 9000 | 80.7 | 88.3 | 88.9 | 89.1 | 89.5 | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 8000 | 81.6 | 89.2 | 89.8 | 90.0 | 90.4 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 7000 | 82.2 | 90.1 | 90.6 | 90.8 | 91.3 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 6000 | 82.8 | 90.9 | 91.5 | 91.7 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 5000 | 84.1 | 92.4 | 93.0 | 93.2 | 93.6 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 4500 | 85.2 | 93.7 | 94.3 | 94.5 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 4000 | 85.7 | 94.5 | 95.0 | 95.3 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 3500 | 86.2 | 95.1 | 95.7 | 95.9 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 3000 | 86.7 | 96.2 | 96.8 | 97.0 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 2500 | 87.1 | 96.7 | 97.2 | 97.5 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 2000 | 87.3 | 97.1 | 97.7 | 98.1 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 1800 | 87.3 | 97.1 | 97.7 | 98.1 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 1500 | 87.3 | 97.3 | 98.0 | 98.3 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 1200 | 87.4 | 97.5 | 98.2 | 98.5 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1000 | 87.4 | 97.5 | 98.2 | 98.5 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 900 | 87.4 | 97.5 | 98.2 | 98.5 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 800 | 87.4 | 97.5 | 98.2 | 98.5 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 700 | 87.4 | 97.5 | 98.2 | 98.5 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 600 | 87.4 | 97.6 | 98.3 | 98.6 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 500 | 87.4 | 97.6 | 98.3 | 98.6 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 400 | 87.4 | 97.6 | 98.3 | 98.6 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 300 | 87.4 | 97.6 | 98.3 | 98.6 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 200 | 87.4 | 97.6 | 98.3 | 98.6 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 100 | 87.4 | 97.6 | 98.3 | 98.6 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 0 | 87.4 | 97.6 | 98.3 | 98.6 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING FEET | VISIBILITY: STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| NO CEILING | 54.8 | 56.5 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| ≥ 20000 | 73.4 | 75.7 | 76.4 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| W 18000 | 73.7 | 76.1 | 76.7 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| W 16000 | 73.9 | 76.3 | 76.9 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| W 14000 | 74.8 | 77.3 | 78.0 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| W 12000 | 77.1 | 80.2 | 80.8 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| W 10000 | 80.3 | 83.8 | 84.7 | 84.8 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| W 9000 | 82.7 | 86.7 | 87.7 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| W 8000 | 84.1 | 88.9 | 90.0 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| W 7000 | 84.5 | 89.2 | 90.3 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| W 6000 | 85.1 | 90.1 | 91.2 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| W 5000 | 86.0 | 91.3 | 92.3 | 92.4 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| W 4500 | 87.8 | 93.7 | 94.3 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| W 4000 | 88.0 | 94.0 | 95.0 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| W 3500 | 88.8 | 95.0 | 96.2 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| W 3000 | 89.8 | 96.1 | 97.3 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| W 2500 | 90.9 | 97.4 | 98.6 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| W 2000 | 91.0 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| W 1800 | 91.0 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| W 1500 | 91.3 | 98.0 | 99.1 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| W 1200 | 91.4 | 98.1 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| W 1000 | 91.4 | 98.1 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| W 900 | 91.4 | 98.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| W 800 | 91.4 | 98.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| W 700 | 91.4 | 98.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| W 600 | 91.4 | 98.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| W 500 | 91.4 | 98.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| W 400 | 91.4 | 98.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| W 300 | 91.4 | 98.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| W 200 | 91.4 | 98.1 | 99.2 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| W 100 | 91.4 | 98.1 | 99.2 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| W 0 | 91.4 | 98.1 | 99.2 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 51.4 | 54.9 | 55.5 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| ≥ 20000 | 72.2 | 77.1 | 77.7 | 78.1 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| IV 18000 | 72.4 | 77.3 | 77.9 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 16000 | 73.2 | 78.2 | 78.9 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 14000 | 74.3 | 79.4 | 80.0 | 80.4 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| IV 12000 | 76.8 | 82.3 | 82.9 | 83.3 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| IV 10000 | 79.3 | 85.4 | 86.1 | 86.5 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| IV 9000 | 80.9 | 87.4 | 88.2 | 88.6 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| IV 8000 | 81.7 | 88.5 | 89.2 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| IV 7000 | 82.3 | 89.2 | 90.0 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| IV 6000 | 82.8 | 89.8 | 90.6 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| IV 5000 | 83.7 | 90.9 | 91.8 | 92.1 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| IV 4500 | 84.6 | 92.1 | 92.9 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| IV 4000 | 85.2 | 93.0 | 93.8 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| IV 3500 | 85.9 | 93.9 | 94.8 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 3000 | 86.7 | 94.8 | 95.7 | 96.1 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 2500 | 87.3 | 95.6 | 96.5 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 2000 | 87.7 | 96.3 | 97.3 | 97.8 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 1800 | 87.9 | 96.5 | 97.5 | 98.0 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 1500 | 88.1 | 96.8 | 97.8 | 98.3 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| IV 1200 | 88.3 | 97.2 | 98.2 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 1000 | 88.4 | 97.3 | 98.3 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 900 | 88.4 | 97.3 | 98.3 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 800 | 88.5 | 97.5 | 98.5 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 700 | 88.5 | 97.5 | 98.5 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 600 | 88.5 | 97.6 | 98.6 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 500 | 88.5 | 97.6 | 98.6 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 400 | 88.5 | 97.7 | 98.7 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 88.5 | 97.7 | 98.7 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 88.5 | 97.7 | 98.7 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 88.5 | 97.7 | 98.7 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 88.5 | 97.7 | 98.7 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 7622

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.4 | ≥ 1 | ≥ .4 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO CEILING | 58.8 | 59.4 | 59.4 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 20000 | 79.2 | 80.9 | 81.0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| IV 18000 | 79.4 | 81.2 | 81.3 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 16000 | 79.9 | 81.7 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| IV 14000 | 81.4 | 83.2 | 83.3 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| IV 12000 | 83.8 | 85.8 | 85.9 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| IV 10000 | 86.6 | 89.6 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 9000 | 88.7 | 91.7 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| IV 8000 | 89.8 | 92.8 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 7000 | 90.0 | 93.1 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IV 6000 | 90.1 | 93.2 | 93.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| IV 5000 | 90.6 | 93.8 | 94.0 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 4500 | 91.7 | 95.1 | 95.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 4000 | 92.4 | 95.9 | 96.1 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 3500 | 92.4 | 96.0 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 3000 | 92.7 | 96.2 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 2500 | 92.9 | 96.6 | 96.8 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 2000 | 94.2 | 98.2 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 1800 | 94.3 | 98.3 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 1500 | 94.4 | 98.7 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1200 | 94.6 | 98.8 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1000 | 94.7 | 98.9 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 900 | 94.7 | 98.9 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 800 | 94.7 | 98.9 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 700 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 94.8 | 99.0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 57.4 | 61.3 | 61.7 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 20000 | 74.2 | 79.6 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| ≥ 18000 | 74.2 | 79.6 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| ≥ 16000 | 75.3 | 80.7 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 14000 | 76.9 | 82.7 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 12000 | 79.2 | 84.8 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 10000 | 82.3 | 88.6 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 9000 | 83.9 | 90.6 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 8000 | 84.6 | 91.2 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 7000 | 85.2 | 91.9 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 6000 | 85.6 | 92.3 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 5000 | 86.0 | 93.6 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 4500 | 86.7 | 94.3 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 4000 | 87.2 | 95.1 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 3500 | 87.6 | 95.4 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 3000 | 88.1 | 96.0 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 2500 | 88.6 | 96.7 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 2000 | 88.9 | 97.2 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 1800 | 89.1 | 97.6 | 97.9 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 1500 | 89.2 | 98.1 | 98.4 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1200 | 89.4 | 98.3 | 98.7 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 89.7 | 98.6 | 98.9 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 89.9 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|--------|-------|--------|---------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 | ≥ 0 |
| NO CEILING ≥ 20000 | 44.3 | 51.9 | 53.7 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥ 18000 | 62.8 | 73.3 | 75.6 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| ≥ 16000 | 63.6 | 74.1 | 76.4 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥ 14000 | 65.7 | 76.4 | 78.8 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| ≥ 12000 | 67.4 | 78.3 | 80.7 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 10000 | 70.9 | 82.3 | 84.7 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 9000 | 73.4 | 85.6 | 88.0 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 8000 | 74.4 | 86.7 | 89.2 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 7000 | 75.0 | 87.7 | 90.3 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 6000 | 75.8 | 88.6 | 91.2 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 5000 | 76.1 | 89.0 | 91.7 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 4500 | 76.3 | 89.6 | 92.2 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 4000 | 76.8 | 90.1 | 92.8 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 3500 | 77.1 | 90.8 | 93.4 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 3000 | 77.2 | 90.9 | 93.6 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 2500 | 77.7 | 91.4 | 94.1 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 2000 | 77.7 | 91.7 | 94.3 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 1800 | 78.3 | 92.9 | 95.1 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 1500 | 78.6 | 93.1 | 95.9 | 96.6 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 1200 | 78.7 | 93.7 | 96.4 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 1000 | 78.8 | 94.0 | 96.8 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 900 | 78.8 | 94.1 | 96.9 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 800 | 78.8 | 94.2 | 97.0 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 700 | 78.8 | 94.2 | 97.0 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 600 | 78.8 | 94.3 | 97.1 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 500 | 79.0 | 94.6 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 400 | 79.0 | 94.8 | 97.7 | 98.4 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 300 | 79.0 | 94.8 | 97.7 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 200 | 79.0 | 94.8 | 97.7 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 100 | 79.0 | 94.8 | 97.7 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 0 | 79.0 | 94.8 | 97.7 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS: EST

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO. CEILING ≥ 20000 | 44.3 | 51.9 | 53.7 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| W 18000 | 62.8 | 73.3 | 75.6 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| W 16000 | 63.6 | 74.1 | 76.4 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| W 14000 | 65.7 | 76.4 | 78.8 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| W 12000 | 67.4 | 78.3 | 80.7 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| W 10000 | 70.9 | 82.3 | 84.7 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| W 9000 | 73.4 | 85.6 | 88.0 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| W 8000 | 74.4 | 86.7 | 89.2 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| W 7000 | 75.0 | 87.7 | 90.3 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| W 6000 | 75.8 | 88.6 | 91.2 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| W 5000 | 76.1 | 89.0 | 91.7 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| W 4500 | 76.3 | 89.6 | 92.2 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| W 4000 | 76.8 | 90.1 | 92.8 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| W 3500 | 77.1 | 90.6 | 93.4 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| W 3000 | 77.2 | 90.9 | 93.6 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| W 2500 | 77.7 | 91.4 | 94.1 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| W 2000 | 77.7 | 91.7 | 94.3 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| W 1800 | 78.3 | 92.9 | 95.7 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| W 1500 | 78.6 | 93.1 | 95.9 | 96.6 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| W 1200 | 78.7 | 93.7 | 96.4 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| W 1000 | 78.8 | 94.0 | 96.8 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| W 900 | 78.8 | 94.1 | 96.9 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| W 800 | 78.8 | 94.2 | 97.0 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| W 700 | 78.8 | 94.2 | 97.0 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| W 600 | 78.8 | 94.3 | 97.1 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| W 500 | 79.0 | 94.6 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| W 400 | 79.0 | 94.6 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| W 300 | 79.0 | 94.6 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| W 200 | 79.0 | 94.6 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| W 100 | 79.0 | 94.6 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| W 0 | 79.0 | 94.6 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 47.6 | 51.9 | 52.0 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥20000 | 70.3 | 75.8 | 75.9 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| IN 18000 | 71.3 | 76.9 | 77.0 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| IN 16000 | 72.2 | 77.9 | 78.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| IN 14000 | 75.9 | 81.6 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| IN 12000 | 78.3 | 84.4 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| IN 10000 | 81.3 | 87.9 | 88.1 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| IN 9000 | 82.1 | 89.1 | 89.3 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| IN 8000 | 82.4 | 89.7 | 89.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| IN 7000 | 82.7 | 89.9 | 90.1 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| IN 6000 | 84.4 | 90.2 | 90.4 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| IN 5500 | 83.8 | 91.6 | 91.8 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IN 4500 | 84.2 | 92.2 | 92.4 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| IN 4000 | 84.4 | 92.6 | 92.8 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IN 3500 | 84.8 | 92.9 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IN 3000 | 84.9 | 93.1 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| IN 2500 | 85.3 | 93.9 | 94.4 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IN 2000 | 87.9 | 97.1 | 97.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IN 1800 | 88.3 | 97.6 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| IN 1500 | 88.8 | 98.1 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IN 1200 | 88.9 | 98.3 | 99.1 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IN 1000 | 88.9 | 98.3 | 99.1 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IN 900 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 800 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 700 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 600 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 500 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 400 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 300 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 200 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 100 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 0 | 89.0 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1,868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-7d
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ 0 |
| NO CEILING ≥ 20000 | 45.1 | 47.7 | 47.7 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| 18000 | 70.6 | 74.8 | 74.9 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 16000 | 71.2 | 76.2 | 76.3 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 14000 | 74.6 | 80.4 | 80.6 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 12000 | 77.1 | 83.4 | 83.7 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 10000 | 79.1 | 85.8 | 86.1 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 9000 | 80.7 | 87.4 | 87.9 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 8000 | 81.1 | 88.3 | 88.8 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 7000 | 81.3 | 88.6 | 89.0 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 6000 | 81.7 | 89.0 | 89.6 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| 5000 | 82.6 | 90.1 | 90.7 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 4500 | 82.8 | 90.4 | 91.1 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 4000 | 83.0 | 90.9 | 91.6 | 92.2 | 92.2 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 3500 | 83.6 | 91.9 | 92.6 | 93.2 | 93.2 | 93.2 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 3000 | 84.8 | 93.7 | 94.4 | 95.1 | 95.1 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 2500 | 85.8 | 94.8 | 95.6 | 96.3 | 96.3 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 2000 | 86.9 | 96.8 | 97.8 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 1800 | 87.1 | 97.2 | 98.2 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 1500 | 87.2 | 97.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 1200 | 87.2 | 97.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 1000 | 87.2 | 97.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 900 | 87.2 | 97.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 800 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 700 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 87.4 | 97.9 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-76
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .03 | ≥ .01 |
| NO CEILING | 39.4 | 41.0 | 41.2 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| ≥ 20000 | 66.1 | 71.2 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| ≥ 18000 | 66.6 | 71.7 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 16000 | 67.9 | 73.3 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 14000 | 69.7 | 76.6 | 76.8 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| ≥ 12000 | 71.9 | 79.4 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 10000 | 74.7 | 84.8 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥ 9000 | 76.4 | 87.7 | 88.1 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 8000 | 76.6 | 89.3 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 7000 | 76.8 | 89.7 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 6000 | 77.4 | 90.7 | 91.1 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 5000 | 78.3 | 92.3 | 92.8 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 4500 | 78.6 | 92.9 | 93.3 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 4000 | 78.8 | 93.3 | 93.8 | 94.0 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 3500 | 78.9 | 93.9 | 94.3 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 3000 | 79.7 | 94.9 | 95.3 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 2500 | 80.1 | 95.7 | 96.1 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 2000 | 81.0 | 97.3 | 97.9 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1800 | 81.1 | 97.6 | 98.1 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1600 | 81.1 | 97.6 | 98.4 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1400 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 81.1 | 97.6 | 98.4 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000
HOURS

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING | 32.0 | 33.9 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 20000 | 62.9 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 18000 | 63.1 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 16000 | 64.1 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 14000 | 67.4 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 12000 | 72.1 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 10000 | 76.7 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 9000 | 79.2 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 8000 | 79.9 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 7000 | 80.4 | 90.9 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 6000 | 80.4 | 91.1 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 5000 | 80.9 | 92.1 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 4500 | 80.9 | 92.2 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 4000 | 81.0 | 92.6 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 3500 | 81.3 | 93.3 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 3000 | 81.7 | 94.7 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 2500 | 82.4 | 96.1 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 2000 | 83.2 | 97.4 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 1800 | 83.2 | 97.4 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 |
| 1500 | 83.3 | 97.6 | 98.7 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 |
| 1200 | 83.3 | 97.7 | 98.8 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| 1000 | 83.4 | 97.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 |
| 900 | 83.4 | 97.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 |
| 800 | 83.4 | 97.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 |
| 700 | 83.4 | 97.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 |
| 600 | 83.4 | 97.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 |
| 500 | 83.4 | 97.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 |
| 400 | 83.4 | 97.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| 300 | 83.4 | 97.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| 200 | 83.4 | 97.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| 100 | 83.4 | 97.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| 0 | 83.4 | 97.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING | 44.0 | 45.1 | 45.1 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥2000 | 70.1 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| ≥1800 | 70.4 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| ≥1600 | 72.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| ≥1400 | 74.4 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| ≥1200 | 78.9 | 81.8 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥1000 | 82.9 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥900 | 85.1 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥800 | 87.3 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥700 | 88.1 | 93.3 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥600 | 88.4 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥500 | 88.8 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥450 | 89.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥400 | 89.4 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥350 | 89.9 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥300 | 90.2 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥250 | 91.0 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥200 | 91.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥180 | 91.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥150 | 91.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥120 | 92.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥100 | 92.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥90 | 92.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥80 | 92.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥70 | 92.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥60 | 92.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥50 | 92.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥40 | 92.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥30 | 92.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥20 | 92.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥10 | 92.2 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

12809 KSC SHUTTLE APT FL

69-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| | | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | | |
|---|--------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | 20 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | |
| N | 10000 | 46.2 | 49.0 | 49.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | |
| N | 20000 | 69.5 | 74.3 | 74.8 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | |
| N | 30000 | 69.9 | 74.8 | 75.2 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | |
| N | 40000 | 71.1 | 76.1 | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | |
| N | 50000 | 73.5 | 78.9 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | |
| N | 60000 | 76.5 | 82.6 | 83.0 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | |
| N | 70000 | 79.6 | 86.8 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | |
| N | 80000 | 81.3 | 89.0 | 89.5 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | |
| N | 90000 | 82.1 | 90.2 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| N | 100000 | 82.5 | 90.7 | 91.3 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | |
| N | 110000 | 82.8 | 91.2 | 91.8 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | |
| N | 120000 | 83.4 | 92.2 | 92.8 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| N | 130000 | 83.8 | 92.8 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | |
| N | 140000 | 84.2 | 93.3 | 94.0 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | |
| N | 150000 | 84.5 | 93.8 | 94.5 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | |
| N | 160000 | 85.0 | 94.6 | 95.3 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | |
| N | 170000 | 85.5 | 95.4 | 96.2 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | |
| N | 180000 | 86.7 | 97.3 | 98.1 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | |
| N | 190000 | 86.8 | 97.6 | 98.5 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | |
| N | 200000 | 86.9 | 97.8 | 98.7 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | |
| N | 210000 | 87.0 | 97.8 | 98.8 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | |
| N | 220000 | 87.0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

186R

KSC SHUTTLE APT FL

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .1 | ≥ .1 | ≥ .1 | ≥ .1 |
| NO CEILING | 65.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 20000 | 84.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 18000 | 84.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 16000 | 86.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 14000 | 88.6 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| 12000 | 92.0 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 10000 | 94.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 9000 | 95.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 8000 | 95.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 7000 | 95.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 6000 | 96.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 5000 | 96.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 4500 | 96.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 4000 | 96.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 3500 | 96.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 3000 | 96.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 2500 | 96.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 2000 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1800 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1500 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1200 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 900 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 800 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 700 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 97.2 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 71.4 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥ 20000 | 85.4 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| IV 18000 | 85.4 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| IV 16000 | 86.5 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| IV 14000 | 88.6 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| IV 12000 | 92.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 10000 | 93.9 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| IV 9000 | 94.6 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 8000 | 95.1 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 7000 | 95.1 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 6000 | 95.5 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 5000 | 95.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 4500 | 95.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 4000 | 96.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| IV 3500 | 96.5 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 3000 | 96.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 2500 | 96.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 2000 | 96.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1800 | 96.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1500 | 96.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1200 | 96.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1000 | 96.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 900 | 96.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 800 | 96.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 700 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 97.0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| NO CEILING ≥ 20000 | 55.4 | 58.6 | 59.1 | 59.4 | 59.4 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| 18000 | 77.3 | 82.6 | 83.1 | 83.5 | 83.5 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 16000 | 78.7 | 84.1 | 84.6 | 85.1 | 85.1 | 85.3 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 14000 | 82.0 | 87.6 | 88.2 | 88.6 | 88.7 | 88.9 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 12000 | 85.1 | 90.9 | 91.4 | 91.8 | 91.9 | 92.2 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 10000 | 87.7 | 93.7 | 94.2 | 94.6 | 94.7 | 94.9 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 9000 | 88.2 | 94.2 | 94.7 | 95.2 | 95.3 | 95.5 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| 8000 | 88.5 | 94.5 | 95.1 | 95.6 | 95.7 | 95.9 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 7000 | 88.5 | 94.6 | 95.2 | 95.7 | 95.9 | 96.1 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 6000 | 88.6 | 94.7 | 95.3 | 95.8 | 96.0 | 96.2 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 5000 | 88.7 | 94.9 | 95.5 | 96.0 | 96.2 | 96.5 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 4500 | 88.9 | 95.2 | 95.7 | 96.2 | 96.5 | 96.7 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 4000 | 89.1 | 95.5 | 96.1 | 96.6 | 97.0 | 97.2 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 3500 | 89.2 | 95.6 | 96.2 | 97.0 | 97.2 | 97.4 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 3000 | 89.2 | 95.7 | 96.3 | 97.1 | 97.3 | 97.5 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 2500 | 89.4 | 95.8 | 96.5 | 97.2 | 97.4 | 97.6 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 2000 | 90.0 | 96.6 | 97.2 | 98.0 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 1800 | 90.0 | 96.6 | 97.2 | 98.0 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 1500 | 90.2 | 96.9 | 97.5 | 98.5 | 98.7 | 98.9 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 1200 | 90.3 | 97.0 | 97.6 | 98.6 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 1000 | 90.3 | 97.0 | 97.6 | 98.6 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 900 | 90.3 | 97.0 | 97.6 | 98.6 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 800 | 90.4 | 97.1 | 97.7 | 98.7 | 98.9 | 99.1 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 700 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 90.5 | 97.2 | 97.8 | 98.8 | 99.0 | 99.2 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808
STATION

KSC SHUTTLE APT FL
STATION NAME

59-78
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|--------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0.005 | ≥0.001 |
| NO CEILING ≥ 20000 | 50.8 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| IV 18000 | 75.9 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| IV 16000 | 78.2 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| IV 14000 | 82.6 | 85.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| IV 12000 | 86.0 | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| IV 10000 | 88.5 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| IV 9000 | 89.5 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| IV 8000 | 90.2 | 94.0 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 7000 | 90.3 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| IV 6000 | 90.5 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 5000 | 90.6 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 4500 | 91.0 | 95.1 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 4000 | 91.1 | 95.2 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 3500 | 91.5 | 95.6 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 3000 | 91.9 | 96.0 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| IV 2500 | 92.4 | 96.8 | 97.1 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 2000 | 94.0 | 98.7 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 1800 | 94.2 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1500 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1200 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1000 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 900 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 800 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 700 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 600 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 500 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 400 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 300 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 200 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 100 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 0 | 94.2 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS, EST

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | 43.3 | 44.6 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 20000 | 74.1 | 77.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| ≥ 18000 | 74.7 | 77.6 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 16000 | 75.7 | 78.7 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 14000 | 79.7 | 83.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 12000 | 82.6 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 10000 | 84.3 | 89.4 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 9000 | 85.4 | 91.0 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 8000 | 86.0 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 7000 | 86.1 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 6000 | 86.8 | 92.6 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 5000 | 86.8 | 92.6 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 4500 | 87.2 | 93.5 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 4000 | 87.3 | 93.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 3500 | 87.5 | 94.3 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 3000 | 88.6 | 95.6 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 2500 | 88.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 2000 | 90.5 | 98.6 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1800 | 90.6 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 90.6 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 90.6 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 90.6 | 98.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 900 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 90.6 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

09-76
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 41.0 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥ 20000 | 68.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 18000 | 68.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 16000 | 69.9 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| IV 14000 | 73.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| IV 12000 | 77.4 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| IV 10000 | 79.7 | 88.2 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| IV 9000 | 80.4 | 89.7 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| IV 8000 | 81.8 | 91.6 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| IV 7000 | 81.8 | 91.7 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IV 6000 | 82.0 | 92.3 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| IV 5000 | 82.0 | 92.4 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| IV 4500 | 82.3 | 93.0 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| IV 4000 | 82.3 | 93.3 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 3500 | 82.9 | 94.4 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 3000 | 83.3 | 95.3 | 95.6 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 2500 | 83.9 | 95.9 | 96.3 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 2000 | 84.3 | 97.2 | 97.7 | 98.2 | 98.3 | 98.3 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 1800 | 84.3 | 97.4 | 98.0 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1500 | 84.3 | 97.5 | 98.1 | 98.5 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1200 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1000 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 900 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 800 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 700 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 600 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 500 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 400 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 300 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 200 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 100 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 0 | 84.3 | 97.6 | 98.3 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS TST

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 39.6 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥ 20000 | 70.5 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 18000 | 70.8 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 16000 | 71.7 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 14000 | 74.4 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 12000 | 78.0 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 10000 | 79.9 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 9000 | 81.8 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 8000 | 82.9 | 93.5 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 7000 | 82.9 | 93.7 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 6000 | 83.1 | 94.0 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 5000 | 83.2 | 94.1 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| 4500 | 83.3 | 94.3 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 4000 | 83.7 | 94.6 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 3500 | 83.8 | 95.2 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 3000 | 84.3 | 95.8 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 2500 | 84.3 | 96.0 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 2000 | 84.8 | 97.2 | 98.0 | 98.2 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 1800 | 84.9 | 97.3 | 98.1 | 98.3 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 |
| 1500 | 84.9 | 97.4 | 98.2 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| 1200 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 1000 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 900 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 800 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 700 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 600 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 500 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 400 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 300 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 200 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 100 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 0 | 84.9 | 97.8 | 98.6 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808

KSC SHUTTLE APT FL

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.3 | ≥0.2 | ≥0.1 | ≥0.05 | ≥0.03 | ≥0.01 |
| NO CEILING | 52.9 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥ 20000 | 78.9 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 18000 | 79.0 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 16000 | 79.5 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 14000 | 82.2 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 12000 | 85.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 10000 | 88.3 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 9000 | 91.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 8000 | 91.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 7000 | 91.5 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 6000 | 91.6 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 5000 | 91.7 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 4500 | 91.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 4000 | 91.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 3500 | 92.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 3000 | 92.2 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 2500 | 92.2 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2000 | 92.2 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 92.3 | 99.2 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 92.3 | 99.2 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 92.3 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 92.4 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 52.5 | 53.8 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| ≥ 20000 | 76.8 | 79.7 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 18000 | 77.1 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| ≥ 16000 | 78.3 | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 14000 | 81.4 | 84.4 | 85.0 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 12000 | 84.9 | 89.2 | 89.4 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 10000 | 87.0 | 92.2 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 9000 | 88.3 | 93.9 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 8000 | 88.9 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 7000 | 89.0 | 94.9 | 95.2 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 6000 | 89.3 | 95.2 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 5000 | 89.4 | 95.4 | 95.7 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 4500 | 89.6 | 95.6 | 96.1 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 4000 | 89.8 | 96.1 | 96.4 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 3500 | 90.0 | 96.5 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 3000 | 90.4 | 96.9 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 2500 | 90.5 | 97.4 | 97.8 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 2000 | 91.2 | 98.4 | 98.8 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1800 | 91.3 | 98.5 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1500 | 91.3 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 91.3 | 98.6 | 99.1 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 91.4 | 98.6 | 99.1 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 91.4 | 98.6 | 99.1 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 91.4 | 98.7 | 99.1 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 91.4 | 98.7 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| NO CEILING | 66.4 | 69.0 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 20000 | 81.9 | 86.0 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| IV 18000 | 82.0 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| IV 16000 | 82.3 | 86.4 | 86.5 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| IV 14000 | 83.7 | 87.9 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| IV 12000 | 87.5 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| IV 10000 | 89.1 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 9000 | 90.7 | 96.2 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 8000 | 91.0 | 96.4 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 7000 | 91.4 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 6000 | 91.5 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 5000 | 91.8 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 4500 | 91.9 | 97.4 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 4000 | 92.1 | 97.6 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 3500 | 92.1 | 97.6 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 3000 | 92.2 | 97.7 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 2500 | 92.9 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 2000 | 93.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1800 | 93.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1500 | 93.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1200 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 93.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

59-76

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|----------------------------|------|------|-------|------|-------|------|-------|--------|-------|--------|---------|--------|---------|----------|---------|
| | ≥ 10 | ≥ 6 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 | ≥ 0.005 | ≥ 0.0025 | ≥ 0.001 |
| NO. CEILING ≥ 20000 | 70.8 | 73.7 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 |
| 18000 | 84.4 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 |
| 16000 | 85.3 | 89.9 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 |
| 14000 | 86.8 | 91.3 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 |
| 12000 | 88.3 | 93.2 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.7 |
| 10000 | 89.8 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 |
| 9000 | 91.4 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 |
| 8000 | 91.6 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 |
| 7000 | 91.7 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| 6000 | 91.7 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| 5000 | 91.8 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 |
| 4500 | 92.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 |
| 4000 | 92.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 |
| 3500 | 92.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| 3000 | 92.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| 2500 | 92.3 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| 2000 | 92.3 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| 1800 | 92.3 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| 1500 | 92.6 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| 1200 | 92.6 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| 1000 | 92.6 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| 900 | 92.6 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| 800 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 700 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 600 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 500 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 400 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 300 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 200 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 100 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| 0 | 92.6 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM 44
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12804

KSC SHUTTLE APT FL

69-76

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY STATE MILES | | | | | | | | | | | | | | | |
|-----------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 | ≥2 |
| NO CEILING ≥ 20000 | 58.9 | 64.2 | 64.5 | 64.6 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.2 |
| IV 18000 | 76.1 | 83.1 | 83.9 | 84.3 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.2 |
| IV 16000 | 76.9 | 83.9 | 84.6 | 85.1 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.9 |
| IV 14000 | 78.1 | 85.3 | 86.0 | 86.5 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3 |
| IV 12000 | 80.6 | 88.1 | 88.8 | 89.2 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.1 |
| IV 10000 | 82.3 | 89.9 | 90.6 | 91.1 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.9 |
| IV 9000 | 84.7 | 92.8 | 93.7 | 94.1 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.9 |
| IV 8000 | 86.0 | 94.1 | 94.9 | 95.4 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.2 |
| IV 7000 | 86.8 | 94.9 | 95.8 | 96.2 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.1 |
| IV 6000 | 87.1 | 95.3 | 96.1 | 96.6 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 |
| IV 5000 | 87.1 | 95.5 | 96.3 | 96.8 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 |
| IV 4500 | 87.1 | 95.8 | 96.7 | 97.1 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 98.0 |
| IV 4000 | 87.1 | 96.1 | 97.0 | 97.4 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.3 |
| IV 3500 | 87.1 | 96.2 | 97.1 | 97.6 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 |
| IV 3000 | 87.2 | 96.3 | 97.2 | 97.7 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 |
| IV 2500 | 87.3 | 96.5 | 97.3 | 97.8 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 |
| IV 2000 | 87.4 | 96.6 | 97.4 | 98.0 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 |
| IV 1800 | 87.7 | 97.1 | 98.0 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 |
| IV 1500 | 87.7 | 97.1 | 98.0 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 |
| IV 1200 | 87.8 | 97.2 | 98.1 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 |
| IV 1000 | 87.8 | 97.2 | 98.1 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 |
| IV 900 | 88.0 | 97.3 | 98.2 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 |
| IV 800 | 88.1 | 97.4 | 98.3 | 99.0 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 |
| IV 700 | 88.1 | 97.4 | 98.3 | 99.0 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 |
| IV 600 | 88.1 | 97.4 | 98.3 | 99.0 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 |
| IV 500 | 88.1 | 97.4 | 98.3 | 99.0 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 |
| IV 400 | 88.2 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| IV 300 | 88.2 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| IV 200 | 88.2 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| IV 100 | 88.2 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| IV 0 | 88.2 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12866

KSC SHUTTLE APT FL

09-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-------------------|---------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO. OF ≥ 20000 | 57.4 | 58.8 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 18000 | 78.7 | 81.4 | 81.9 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 16000 | 79.4 | 82.0 | 82.0 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| ≥ 14000 | 80.1 | 82.8 | 83.3 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 12000 | 83.9 | 86.9 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 10000 | 86.1 | 89.2 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 9000 | 89.2 | 92.6 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 8000 | 90.8 | 94.2 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 7000 | 91.2 | 94.6 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 6000 | 91.3 | 94.7 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 5000 | 91.4 | 94.8 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 4000 | 91.4 | 94.9 | 95.5 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 3000 | 91.4 | 95.1 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 2000 | 91.5 | 95.2 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 1800 | 91.6 | 95.3 | 95.8 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 1600 | 91.6 | 95.3 | 95.8 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 1400 | 92.0 | 95.8 | 96.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 1200 | 94.1 | 98.3 | 98.8 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1000 | 94.1 | 98.3 | 98.8 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 900 | 94.4 | 98.6 | 99.1 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 94.5 | 98.7 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 94.6 | 98.8 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 94.6 | 98.8 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 94.6 | 98.8 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 94.6 | 98.8 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 94.6 | 98.8 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 94.6 | 98.8 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 94.6 | 98.8 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 94.6 | 98.8 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC

FORM
101-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12864

KSC SHUTTLE APT FL

9-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | 200 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| NO CEILING | 52.9 | 53.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | |
| ≥ 20000 | 78.2 | 81.8 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | |
| ≥ 18000 | 78.3 | 81.9 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | |
| ≥ 16000 | 79.1 | 83.0 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | |
| ≥ 14000 | 81.2 | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | |
| ≥ 12000 | 82.5 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | |
| ≥ 10000 | 87.0 | 92.2 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | |
| ≥ 9000 | 88.2 | 93.5 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | |
| ≥ 8000 | 88.8 | 94.2 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | |
| ≥ 7500 | 89.1 | 94.5 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | |
| ≥ 6000 | 89.2 | 94.7 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | |
| ≥ 5000 | 89.2 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | |
| ≥ 4500 | 89.5 | 95.1 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | |
| ≥ 4000 | 89.6 | 95.3 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| ≥ 3500 | 89.8 | 95.5 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | |
| ≥ 3000 | 90.1 | 95.8 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | |
| ≥ 2500 | 90.5 | 96.3 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | |
| ≥ 2000 | 92.0 | 98.5 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | |
| ≥ 1800 | 92.2 | 98.6 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| ≥ 1500 | 92.2 | 98.6 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| ≥ 1200 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 1000 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 900 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 800 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 700 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 600 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 500 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 400 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 300 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 200 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 100 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| ≥ 0 | 92.2 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286P

KSC SHUTTLE APT FL

69-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| CEILING FEET | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| NO FLOOR | 43.7 | 44.7 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| 20000 | 70.2 | 75.5 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| 18000 | 70.6 | 76.1 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 16000 | 71.0 | 76.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 14000 | 72.4 | 78.3 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 12000 | 76.3 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 10000 | 80.3 | 88.4 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 9000 | 81.4 | 90.9 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 8000 | 81.8 | 91.8 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 7000 | 81.9 | 91.9 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 6000 | 82.3 | 92.7 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 5000 | 82.4 | 92.8 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 4500 | 82.5 | 93.0 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 4000 | 82.6 | 93.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 3000 | 82.9 | 93.5 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 2000 | 83.7 | 94.7 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1500 | 83.7 | 95.1 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 1000 | 84.3 | 96.7 | 98.0 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 900 | 84.5 | 97.1 | 98.5 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 |
| 800 | 84.5 | 97.2 | 98.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 |
| 700 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| 600 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| 500 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| 400 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| 300 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| 200 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| 100 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| 0 | 84.5 | 97.3 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM 1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12869

KSC SHUTTLE APT FL

09-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO. CEILING ≥ 20000 | 42.6 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 18000 | 70.6 | 75.6 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| 16000 | 71.6 | 76.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 14000 | 72.2 | 77.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 12000 | 75.0 | 80.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 10000 | 78.3 | 85.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 8000 | 81.4 | 89.8 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 7000 | 82.7 | 91.8 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 6000 | 83.7 | 93.3 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 5000 | 83.7 | 93.5 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 4500 | 84.2 | 94.0 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 4000 | 84.3 | 94.2 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 3500 | 84.5 | 94.5 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 |
| 3000 | 84.6 | 94.7 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 |
| 2500 | 84.8 | 95.2 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 |
| 2000 | 85.5 | 95.9 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 |
| 1800 | 85.8 | 96.4 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 |
| 1500 | 85.9 | 96.9 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 |
| 1200 | 85.9 | 97.0 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| 1000 | 85.9 | 97.0 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 900 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 800 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 700 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 600 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 500 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 400 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 300 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 200 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 100 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 0 | 86.0 | 97.2 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12869

KSC SHUTTLE APT FL

69-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥8 | ≥6 | ≥4 | ≥3 | ≥2 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING ≥ 20000 | 57.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| IV 18000 | 76.7 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| IV 16000 | 77.3 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 14000 | 77.5 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 12000 | 79.5 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 10000 | 83.5 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| IV 9000 | 87.3 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| IV 8000 | 88.3 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| IV 7000 | 89.2 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 6000 | 89.5 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 5000 | 89.6 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 4500 | 90.1 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 4000 | 90.4 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| IV 3500 | 90.8 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 3000 | 90.9 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 2500 | 91.3 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 2000 | 91.5 | 98.7 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 1800 | 91.7 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1500 | 91.8 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1200 | 91.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1000 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 900 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 800 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 700 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 600 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 500 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 400 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 300 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 200 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 100 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 0 | 92.0 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATIONKSC SHUTTLE APT FL
STATION NAME09-76
YEARAUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
PERIOD

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 56.2 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.9 |
| ≥ 20000 | 77.1 | 81.6 | 82.1 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 |
| W 18000 | 77.6 | 82.2 | 82.6 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 |
| W 16000 | 78.2 | 82.9 | 83.3 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| W 14000 | 80.4 | 85.3 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| W 12000 | 83.3 | 88.6 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| W 10000 | 86.1 | 92.3 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| W 9000 | 87.4 | 94.0 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| W 8000 | 88.0 | 94.8 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 |
| W 7000 | 88.4 | 95.0 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| W 6000 | 88.4 | 95.3 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 |
| W 5000 | 88.5 | 95.5 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 |
| W 4500 | 88.7 | 95.8 | 96.4 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 |
| W 4000 | 88.8 | 96.0 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| W 3500 | 88.9 | 96.2 | 96.8 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| W 3000 | 89.2 | 96.6 | 97.2 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 |
| W 2500 | 89.5 | 97.0 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 |
| W 2000 | 90.2 | 98.1 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| W 1800 | 90.3 | 98.2 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| W 1500 | 90.3 | 98.3 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| W 1200 | 90.4 | 98.4 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| W 1000 | 90.4 | 98.5 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| W 900 | 90.4 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 800 | 90.4 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 700 | 90.4 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 600 | 90.4 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 500 | 90.4 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 400 | 90.5 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 300 | 90.5 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 200 | 90.5 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 100 | 90.5 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| W 0 | 90.5 | 98.5 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R

KSC SHUTTLE APT FL

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | 63.1 | 64.4 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 20000 | 77.9 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| 18000 | 78.0 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 16000 | 78.3 | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| 14000 | 79.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 12000 | 82.1 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 10000 | 85.3 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 9000 | 86.7 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| 8000 | 88.0 | 91.7 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 7000 | 88.3 | 92.0 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 6000 | 88.6 | 92.2 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 5000 | 88.9 | 92.8 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 4500 | 89.2 | 93.3 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 4000 | 89.9 | 94.4 | 94.7 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 3500 | 90.8 | 95.3 | 95.6 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 3000 | 91.2 | 95.9 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| 2500 | 91.7 | 96.6 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 2000 | 92.3 | 97.9 | 98.2 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1800 | 92.8 | 98.6 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 1500 | 92.8 | 98.7 | 99.0 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1200 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1000 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 900 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 800 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 700 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 600 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 500 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 400 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 300 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 200 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 100 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 0 | 92.8 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO CEILING | 65.0 | 66.7 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| ≥ 20000 | 80.1 | 82.1 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| ≥ 18000 | 80.7 | 82.7 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 16000 | 81.0 | 83.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 14000 | 81.7 | 83.8 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 12000 | 84.2 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 10000 | 86.7 | 89.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 9000 | 88.0 | 91.2 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 8000 | 89.2 | 92.6 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 7000 | 89.6 | 92.9 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 6000 | 89.7 | 93.0 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 5000 | 90.1 | 93.6 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 4500 | 90.4 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 4000 | 90.8 | 94.3 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 3500 | 91.0 | 94.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 3000 | 91.0 | 94.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 2500 | 91.2 | 95.1 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 2000 | 92.2 | 97.1 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 |
| ≥ 1800 | 92.2 | 97.4 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 |
| ≥ 1500 | 92.3 | 98.0 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| ≥ 1200 | 92.4 | 98.4 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 92.4 | 98.7 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 92.4 | 98.7 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 92.4 | 98.8 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 92.4 | 98.8 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

09-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 54.0 | 59.1 | 59.7 | 60.1 | 60.4 | 60.4 | 60.6 | 60.6 | 60.6 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 20000 | 70.0 | 76.4 | 77.2 | 77.9 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| IV 18000 | 70.3 | 76.6 | 77.6 | 78.2 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| IV 16000 | 70.9 | 77.3 | 78.1 | 79.1 | 79.4 | 79.4 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 14000 | 72.9 | 79.7 | 80.4 | 81.4 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| IV 12000 | 75.1 | 82.7 | 83.6 | 84.7 | 85.0 | 85.0 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| IV 10000 | 77.4 | 85.0 | 86.1 | 87.3 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 9000 | 78.3 | 86.9 | 88.0 | 89.2 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 8000 | 78.9 | 87.8 | 88.9 | 90.1 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| IV 7000 | 79.7 | 88.7 | 89.9 | 91.1 | 91.7 | 91.7 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| IV 6000 | 79.7 | 89.0 | 90.3 | 91.4 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| IV 5000 | 80.3 | 90.2 | 91.6 | 92.8 | 93.3 | 93.3 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IV 4500 | 80.8 | 90.8 | 92.1 | 93.3 | 93.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| IV 4000 | 80.9 | 91.2 | 92.6 | 93.8 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 3500 | 80.9 | 91.3 | 92.7 | 93.9 | 94.4 | 94.4 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 3000 | 81.0 | 91.7 | 93.0 | 94.2 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| IV 2500 | 81.3 | 92.2 | 93.6 | 94.8 | 95.3 | 95.3 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 2000 | 82.1 | 93.8 | 95.1 | 96.3 | 96.9 | 96.9 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 1800 | 82.6 | 94.4 | 95.8 | 97.0 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 1500 | 82.8 | 94.9 | 96.4 | 97.7 | 98.2 | 98.2 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| IV 1200 | 82.8 | 95.1 | 96.7 | 98.0 | 98.6 | 98.6 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 1000 | 82.9 | 95.3 | 96.9 | 98.2 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 900 | 82.9 | 95.3 | 96.9 | 98.2 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 800 | 82.9 | 95.3 | 96.9 | 98.2 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 700 | 83.0 | 95.4 | 97.0 | 98.3 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 600 | 83.0 | 95.6 | 97.1 | 98.4 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 500 | 83.0 | 95.6 | 97.1 | 98.4 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 400 | 83.0 | 95.7 | 97.2 | 98.6 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 83.0 | 95.8 | 97.4 | 98.8 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 83.0 | 95.8 | 97.4 | 98.8 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 83.0 | 95.8 | 97.4 | 98.8 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 83.0 | 95.8 | 97.4 | 98.8 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO. CEILING | 53.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| ≥ 20000 | 73.4 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 18000 | 74.0 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 16000 | 74.8 | 79.4 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 14000 | 76.7 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 12000 | 79.7 | 85.3 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 10000 | 81.7 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 9000 | 82.1 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 8000 | 83.1 | 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 7000 | 84.1 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 6000 | 84.2 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 5000 | 84.3 | 91.3 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 4500 | 84.6 | 91.8 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 4000 | 84.9 | 92.6 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 3500 | 84.9 | 92.6 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 3000 | 85.3 | 93.0 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 2500 | 85.7 | 93.3 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 |
| ≥ 2000 | 88.1 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 |
| ≥ 1800 | 89.0 | 98.2 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 |
| ≥ 1500 | 89.1 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| ≥ 1200 | 89.2 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 |
| ≥ 1000 | 89.2 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 |
| ≥ 900 | 89.3 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 |
| ≥ 800 | 89.3 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 |
| ≥ 700 | 89.4 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 89.4 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 89.6 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 89.6 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 89.6 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 89.6 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 89.6 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 89.6 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ 0 |
| NO CEILING | 49.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| ≥ 20000 | 76.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 18000 | 76.8 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 16000 | 77.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 14000 | 78.6 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 12000 | 81.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 10000 | 83.1 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 9000 | 83.6 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 8000 | 84.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 7000 | 84.9 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 6000 | 85.1 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 5000 | 85.3 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 4500 | 85.7 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 4000 | 85.7 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 3500 | 85.8 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 3000 | 86.7 | 93.9 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 2500 | 87.7 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 2000 | 89.9 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1800 | 90.0 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1500 | 90.1 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 90.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 90.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 90.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808

KSC SHUTTLE APT FL

09-76

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 44.9 | 47.0 | 47.0 | 47.0 | 47.1 | 47.1 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| ≥ 20000 | 72.2 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 18000 | 72.3 | 75.4 | 75.4 | 75.4 | 75.6 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 16000 | 72.9 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 14000 | 74.2 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 12000 | 77.7 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| 10000 | 80.9 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 9000 | 82.0 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 8000 | 83.7 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 7000 | 83.9 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 6000 | 83.9 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 5000 | 84.3 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 4500 | 84.4 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 4000 | 84.7 | 94.8 | 94.8 | 94.8 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 3500 | 84.9 | 95.2 | 95.4 | 95.4 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 3000 | 85.2 | 95.8 | 96.0 | 96.0 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| 2500 | 85.8 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 2000 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1800 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1500 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1200 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 900 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 800 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 700 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 86.7 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

09-76

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| NO CEILING | 47.6 | 49.2 | 49.2 | 49.2 | 49.2 | 49.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥ 2000 | 71.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥ 1800 | 71.1 | 74.2 | 74.3 | 74.3 | 74.3 | 74.4 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 1600 | 71.6 | 74.9 | 75.0 | 75.0 | 75.0 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| ≥ 1400 | 72.9 | 76.7 | 76.8 | 76.8 | 76.8 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| ≥ 1200 | 75.1 | 79.9 | 79.9 | 79.9 | 79.9 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 1000 | 77.6 | 83.9 | 84.1 | 84.1 | 84.1 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 900 | 79.6 | 86.9 | 87.1 | 87.1 | 87.1 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 800 | 80.6 | 88.4 | 88.7 | 88.7 | 88.7 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 700 | 80.8 | 89.2 | 89.4 | 89.4 | 89.4 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 600 | 81.0 | 89.4 | 89.7 | 89.7 | 89.7 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 500 | 81.6 | 90.1 | 90.3 | 90.3 | 90.3 | 90.4 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 450 | 82.3 | 91.0 | 91.2 | 91.2 | 91.2 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 400 | 82.9 | 91.9 | 92.1 | 92.1 | 92.1 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 350 | 83.4 | 92.6 | 93.0 | 93.3 | 93.3 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 300 | 84.6 | 93.9 | 94.3 | 94.7 | 94.7 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 250 | 85.6 | 95.0 | 95.6 | 96.0 | 96.2 | 96.3 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 200 | 86.2 | 96.6 | 97.3 | 97.6 | 98.0 | 98.1 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 1800 | 86.2 | 97.0 | 97.8 | 98.2 | 98.4 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1500 | 86.2 | 97.7 | 98.4 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 86.3 | 97.8 | 98.6 | 99.0 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 86.3 | 97.9 | 98.7 | 99.1 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC

FORM
101-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
SYMBOL NAME

09-70
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥8 | ≥6 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 55.6 | 56.6 | 56.8 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| ≥20000 | 75.4 | 76.8 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| ≥18000 | 75.5 | 77.3 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥16000 | 75.6 | 77.4 | 77.6 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥14000 | 76.8 | 78.6 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥12000 | 79.1 | 81.2 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥10000 | 83.2 | 86.1 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥9000 | 84.6 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥8000 | 85.9 | 89.5 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥7000 | 86.2 | 90.2 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥6000 | 86.4 | 90.4 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥5000 | 87.1 | 91.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥4500 | 87.5 | 92.0 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥4000 | 88.1 | 92.9 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥3500 | 88.9 | 94.1 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥3000 | 89.4 | 95.3 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥2500 | 90.0 | 96.2 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥2000 | 90.1 | 97.4 | 97.8 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 |
| ≥1800 | 90.1 | 98.1 | 98.4 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 |
| ≥1500 | 90.3 | 98.8 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥1200 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥1000 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥900 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥800 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥700 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥600 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥500 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥400 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥300 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥200 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥100 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥0 | 90.3 | 98.9 | 99.2 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-868

KSC SHUTTLE APT FL

69-76

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| CEILING FEET | STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|-------|--------|
| | ≥10 | ≥8 | ≥6 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0.001 |
| NO CEILING | 54.2 | 56.5 | 56.6 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥20000 | 74.6 | 77.7 | 77.9 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥18000 | 74.8 | 78.1 | 78.3 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥16000 | 75.3 | 78.6 | 78.8 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| ≥14000 | 76.6 | 80.2 | 80.4 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥12000 | 79.3 | 83.4 | 83.6 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥10000 | 82.0 | 87.0 | 87.3 | 87.5 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥8000 | 83.1 | 88.8 | 89.2 | 89.3 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥6000 | 84.2 | 90.4 | 90.7 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥4000 | 84.7 | 91.1 | 91.4 | 91.6 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥2000 | 84.8 | 91.2 | 91.6 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥1000 | 85.2 | 91.9 | 92.2 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥500 | 85.6 | 92.4 | 92.8 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥250 | 86.0 | 93.1 | 93.5 | 93.7 | 93.8 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥150 | 86.3 | 93.6 | 94.0 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥100 | 86.8 | 94.3 | 94.7 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥75 | 87.4 | 95.0 | 95.5 | 95.7 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥50 | 88.5 | 97.1 | 97.6 | 97.9 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥30 | 88.7 | 97.7 | 98.2 | 98.5 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥20 | 88.8 | 98.1 | 98.6 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥15 | 88.8 | 98.2 | 98.8 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥10 | 88.8 | 98.3 | 98.9 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥7.5 | 88.9 | 98.3 | 98.9 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥5 | 88.9 | 98.4 | 98.9 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥3 | 88.9 | 98.4 | 99.0 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥2 | 88.9 | 98.4 | 99.0 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥1.5 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥1 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0.75 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0.5 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0.25 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0.1 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0.05 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0.01 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0.001 | 88.9 | 98.5 | 99.0 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

9-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥9 | ≥8 | ≥7 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| NO CEILING | 59.9 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥12000 | 72.4 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| ≥18000 | 72.5 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥15000 | 72.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥14000 | 73.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥12000 | 75.9 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥10000 | 78.1 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥9000 | 81.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥8000 | 82.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥7000 | 83.2 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥6000 | 84.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥5000 | 85.9 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥4500 | 87.3 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥4000 | 89.6 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥3500 | 90.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥3000 | 91.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥2500 | 92.6 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥2000 | 93.2 | 98.8 | 98.8 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥1800 | 93.2 | 98.9 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥1500 | 93.3 | 99.0 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥1200 | 93.4 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥1000 | 93.4 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥900 | 93.4 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥800 | 93.4 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥700 | 93.4 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥600 | 93.4 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥500 | 93.4 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥400 | 93.4 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥300 | 93.5 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥200 | 93.5 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥100 | 93.5 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥0 | 93.5 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286A

KSC SHUTTLE APT FL

69-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|---------|---------|---------|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 1 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 | ≥ 1/256 | ≥ 1/512 |
| NO FIRMING ≥ 20000 | 59.8 | 61.8 | 62.3 | 62.6 | 62.8 | 62.8 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1 | 63.1 | 63.3 |
| ≥ 18000 | 70.3 | 72.9 | 73.4 | 73.7 | 73.8 | 73.8 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.4 |
| ≥ 16000 | 70.6 | 73.1 | 73.7 | 74.1 | 74.2 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.7 |
| ≥ 14000 | 70.8 | 73.4 | 74.1 | 74.4 | 74.5 | 74.5 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 75.0 |
| ≥ 12000 | 71.7 | 74.3 | 74.9 | 75.2 | 75.3 | 75.3 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.9 |
| ≥ 10000 | 73.5 | 76.1 | 76.7 | 77.1 | 77.2 | 77.2 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.8 |
| ≥ 8000 | 76.1 | 78.8 | 79.4 | 79.8 | 79.9 | 79.9 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.5 |
| ≥ 6000 | 77.8 | 80.7 | 81.4 | 81.7 | 81.8 | 81.8 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.5 |
| ≥ 4000 | 79.7 | 83.2 | 83.9 | 84.2 | 84.3 | 84.3 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.9 |
| ≥ 2000 | 80.3 | 84.1 | 84.7 | 85.0 | 85.1 | 85.1 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.8 |
| ≥ 1000 | 81.2 | 84.9 | 85.6 | 85.9 | 86.0 | 86.0 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.7 |
| ≥ 500 | 83.3 | 87.4 | 88.1 | 88.4 | 88.5 | 88.5 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 89.1 |
| ≥ 450 | 84.2 | 88.4 | 89.0 | 89.3 | 89.5 | 89.5 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 90.1 |
| ≥ 400 | 86.1 | 90.4 | 91.3 | 91.6 | 91.7 | 91.7 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.4 |
| ≥ 350 | 87.4 | 92.4 | 93.1 | 93.4 | 93.5 | 93.5 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.2 |
| ≥ 300 | 88.2 | 93.4 | 94.3 | 94.7 | 95.2 | 95.2 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.8 |
| ≥ 250 | 88.7 | 94.6 | 95.5 | 95.9 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 97.0 |
| ≥ 200 | 89.0 | 96.2 | 97.1 | 97.5 | 98.0 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 |
| ≥ 1800 | 89.1 | 96.4 | 97.3 | 97.7 | 98.2 | 98.2 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.8 |
| ≥ 1500 | 89.3 | 96.9 | 97.7 | 98.2 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.2 |
| ≥ 1200 | 89.5 | 97.2 | 98.1 | 98.5 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 |
| ≥ 1000 | 89.5 | 97.2 | 98.1 | 98.5 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 |
| ≥ 900 | 89.5 | 97.2 | 98.1 | 98.5 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 |
| ≥ 800 | 89.5 | 97.2 | 98.1 | 98.5 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 |
| ≥ 700 | 89.5 | 97.2 | 98.1 | 98.5 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 |
| ≥ 600 | 89.5 | 97.2 | 98.1 | 98.5 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 |
| ≥ 500 | 89.6 | 97.3 | 98.2 | 98.6 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.7 |
| ≥ 400 | 89.7 | 97.5 | 98.4 | 98.8 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 |
| ≥ 300 | 89.7 | 97.5 | 98.4 | 98.8 | 99.2 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 |
| ≥ 200 | 89.7 | 97.5 | 98.4 | 98.8 | 99.2 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 |
| ≥ 100 | 89.7 | 97.5 | 98.4 | 98.8 | 99.2 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 |
| ≥ 0 | 89.7 | 97.5 | 98.4 | 98.8 | 99.2 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12863

KSC SHUTTLE APT FL

09-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 20 | 20 | 20 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| NO. CEILING | 44.6 | 49.6 | 50.0 | 50.3 | 50.6 | 50.9 | 51.4 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 52.2 | 52.2 | 52.2 |
| 20000 | 59.8 | 65.9 | 66.6 | 66.9 | 67.2 | 67.4 | 68.0 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.7 | 68.7 | 68.7 |
| 18000 | 60.1 | 66.3 | 67.0 | 67.3 | 67.6 | 67.8 | 68.4 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 69.1 | 69.1 | 69.1 |
| 16000 | 60.2 | 66.5 | 67.1 | 67.4 | 67.7 | 68.0 | 68.7 | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.5 | 69.5 | 69.5 |
| 14000 | 62.4 | 68.7 | 69.4 | 69.7 | 70.0 | 70.2 | 71.0 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.7 | 71.7 | 71.7 |
| 12000 | 64.6 | 71.2 | 71.4 | 72.2 | 72.5 | 72.7 | 73.4 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 74.2 | 74.2 | 74.2 |
| 10000 | 66.2 | 73.4 | 74.1 | 74.4 | 74.7 | 74.9 | 75.7 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.5 | 76.5 | 76.5 |
| 8000 | 68.4 | 75.6 | 76.2 | 76.6 | 76.9 | 77.1 | 77.8 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.6 | 78.6 | 78.6 |
| 6000 | 70.1 | 77.8 | 78.5 | 78.8 | 79.1 | 79.4 | 80.1 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.9 | 80.9 | 80.9 |
| 4000 | 71.5 | 79.5 | 80.1 | 80.4 | 80.8 | 81.0 | 81.7 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.5 | 82.5 | 82.5 |
| 2000 | 73.4 | 81.6 | 82.3 | 82.6 | 82.9 | 83.1 | 83.9 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.6 | 84.6 | 84.6 |
| 1000 | 75.9 | 84.8 | 85.5 | 85.8 | 86.1 | 86.3 | 87.1 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.8 | 87.8 | 87.8 |
| 500 | 77.3 | 86.6 | 87.2 | 87.5 | 87.8 | 88.1 | 88.8 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.6 | 89.6 | 89.6 |
| 0 | 78.7 | 88.5 | 89.1 | 89.5 | 89.8 | 90.0 | 90.8 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.5 | 91.5 | 91.5 |
| 20000 | 79.7 | 89.9 | 90.5 | 90.9 | 91.2 | 91.4 | 92.2 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.9 | 92.9 | 92.9 |
| 18000 | 80.5 | 91.0 | 91.7 | 92.2 | 92.6 | 92.8 | 93.5 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 |
| 16000 | 80.6 | 91.4 | 92.2 | 92.6 | 93.0 | 93.2 | 94.0 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.7 | 94.7 | 94.7 |
| 14000 | 81.4 | 93.4 | 94.3 | 95.1 | 95.5 | 95.7 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 |
| 12000 | 81.4 | 93.4 | 94.4 | 95.2 | 95.6 | 95.8 | 96.6 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 |
| 10000 | 81.4 | 93.4 | 94.4 | 95.2 | 95.6 | 95.8 | 96.6 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 |
| 8000 | 81.5 | 93.9 | 94.8 | 95.6 | 96.0 | 96.2 | 97.0 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 98.0 | 98.0 | 98.0 |
| 6000 | 81.6 | 94.0 | 94.9 | 95.7 | 96.1 | 96.3 | 97.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 |
| 4000 | 81.6 | 94.0 | 94.9 | 95.7 | 96.1 | 96.3 | 97.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 |
| 2000 | 81.6 | 94.1 | 95.1 | 95.8 | 96.2 | 96.5 | 97.2 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 98.2 | 98.2 | 98.2 |
| 1000 | 81.7 | 94.2 | 95.2 | 95.9 | 96.3 | 96.6 | 97.3 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 |
| 0 | 81.8 | 94.4 | 95.4 | 96.1 | 96.6 | 96.8 | 97.5 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.5 | 98.5 | 98.5 |
| 20000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 18000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 16000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 14000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 12000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 10000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 8000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 6000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 4000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 2000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 1000 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 0 | 81.9 | 94.6 | 95.6 | 96.3 | 96.8 | 97.0 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

186R

KSC SHUTTLE APT FL

69-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | 20 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| NO. CEILING 20000 | 48.4 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| 18000 | 64.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 16000 | 64.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 14000 | 65.2 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 12000 | 67.1 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 10000 | 70.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 8000 | 72.0 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 6000 | 73.2 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 5000 | 75.7 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| 4000 | 77.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 3000 | 79.5 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 2000 | 81.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 1800 | 83.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 1600 | 85.1 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 1400 | 86.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 1200 | 86.9 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 1000 | 87.2 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 800 | 88.5 | 96.8 | 97.1 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 600 | 88.8 | 97.4 | 97.7 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 400 | 88.8 | 97.5 | 97.8 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 200 | 88.9 | 97.7 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 100 | 88.9 | 98.1 | 98.4 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 50 | 88.9 | 98.1 | 98.4 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 25 | 89.0 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| 12.5 | 89.0 | 98.5 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| 6.25 | 89.0 | 98.5 | 98.9 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| 3.125 | 89.0 | 98.5 | 98.9 | 99.0 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| 1.5625 | 89.0 | 98.5 | 98.9 | 99.0 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 0.78125 | 89.0 | 98.5 | 98.9 | 99.0 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 0.390625 | 89.0 | 98.5 | 98.9 | 99.0 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 0.1953125 | 89.0 | 98.5 | 98.9 | 99.0 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R

KSC SHUTTLE APT FL

69-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 2 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| NO CEILING ≥ 20000 | 46.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 18000 | 66.5 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 16000 | 67.5 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 14000 | 69.0 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| ≥ 12000 | 71.1 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| ≥ 10000 | 74.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 9000 | 76.1 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 8000 | 78.3 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 7000 | 79.5 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| ≥ 6000 | 81.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| ≥ 5000 | 82.9 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 4500 | 84.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 4000 | 85.9 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 3500 | 87.3 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 3000 | 88.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 2500 | 89.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 2000 | 90.8 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 1800 | 91.1 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 1500 | 91.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 1200 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 1000 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 900 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 800 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 700 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 600 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 500 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 400 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 300 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 200 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 100 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 0 | 91.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

09-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ .001 |
| NO CEILING | 44.2 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 20000 | 62.7 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| W 18000 | 62.7 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| W 16000 | 63.0 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| W 14000 | 65.5 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| W 12000 | 67.5 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| W 10000 | 72.3 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| W 9000 | 74.9 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| W 8000 | 77.5 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| W 7000 | 78.8 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| W 6000 | 80.8 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| W 5000 | 82.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| W 4500 | 82.9 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| W 4000 | 84.1 | 91.6 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| W 3500 | 85.4 | 93.2 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| W 3000 | 86.5 | 94.6 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| W 2500 | 87.5 | 95.8 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| W 2000 | 88.2 | 97.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| W 1800 | 88.3 | 97.6 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| W 1500 | 88.3 | 98.1 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| W 1200 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 1000 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 900 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 800 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 700 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 600 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 500 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 400 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 300 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 200 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 100 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| W 0 | 88.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|
| | ≥10 | ≥9 | ≥8 | ≥7 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| NO CEILING | 50.5 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| ≥ 20000 | 64.7 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| W 18000 | 64.7 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| W 6000 | 65.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| W 4000 | 66.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| W 12000 | 68.9 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| W 10000 | 72.3 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| W 9000 | 75.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| W 8000 | 77.1 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| W 7000 | 78.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| W 6000 | 80.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| W 5000 | 81.7 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| W 4500 | 83.2 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| W 4000 | 84.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| W 3500 | 85.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| W 3000 | 86.8 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| W 2500 | 87.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| W 2000 | 87.8 | 96.8 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| W 1800 | 88.4 | 98.1 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| W 1500 | 88.5 | 98.6 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| W 1200 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 1000 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 900 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 800 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 700 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 600 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 500 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 400 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 300 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 200 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 100 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| W 0 | 88.6 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286R
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78
YEAR

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .03 | ≥ .01 |
| NO CEILING | 57.5 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| ≥ 20000 | 68.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| IN 18000 | 68.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| IN 16000 | 68.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| IN 14000 | 69.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| IN 12000 | 71.1 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| IN 10000 | 74.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IN 9000 | 77.1 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IN 8000 | 79.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| IN 7000 | 80.5 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IN 6000 | 82.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| IN 5000 | 84.1 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| IN 4500 | 85.5 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| IN 4000 | 87.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| IN 3500 | 89.0 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| IN 3000 | 89.8 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IN 2500 | 91.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IN 2000 | 93.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IN 1800 | 93.3 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IN 1500 | 93.4 | 99.2 | 99.3 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 1200 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 1000 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 900 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 800 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 700 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 600 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 500 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 400 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 300 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 200 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 100 | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN U | 93.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

09-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING | 51.4 | 53.5 | 53.6 | 53.7 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 |
| ≥ 20000 | 66.1 | 68.8 | 68.9 | 69.0 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 |
| 18000 | 66.2 | 68.9 | 69.1 | 69.2 | 69.2 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 |
| 16000 | 66.6 | 69.3 | 69.6 | 69.7 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 |
| 14000 | 68.1 | 71.1 | 71.2 | 71.3 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 |
| 12000 | 70.3 | 73.3 | 73.6 | 73.7 | 73.8 | 73.8 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 |
| 10000 | 73.1 | 76.8 | 77.0 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 |
| 9000 | 75.3 | 79.3 | 79.7 | 79.7 | 79.8 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 |
| 8000 | 77.6 | 82.1 | 82.3 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 |
| 7000 | 78.7 | 83.3 | 83.5 | 83.6 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 6000 | 80.4 | 85.4 | 85.6 | 85.6 | 85.7 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 |
| 5000 | 82.2 | 87.6 | 87.8 | 87.9 | 88.0 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 |
| 4500 | 83.5 | 89.2 | 89.4 | 89.5 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 |
| 4000 | 85.2 | 91.2 | 91.3 | 91.6 | 91.7 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 |
| 3500 | 86.4 | 92.7 | 93.0 | 93.1 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 |
| 3000 | 87.3 | 93.9 | 94.2 | 94.3 | 94.3 | 94.3 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 |
| 2500 | 88.0 | 95.1 | 95.4 | 95.5 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 |
| 2000 | 89.0 | 96.8 | 97.2 | 97.3 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 |
| 1800 | 89.2 | 97.4 | 97.8 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1500 | 89.3 | 97.6 | 98.0 | 98.3 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 |
| 1200 | 89.4 | 97.9 | 98.3 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| 1000 | 89.4 | 97.9 | 98.4 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| 900 | 89.4 | 97.9 | 98.4 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| 800 | 89.4 | 98.0 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| 700 | 89.4 | 98.1 | 98.5 | 98.8 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| 600 | 89.4 | 98.1 | 98.5 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 |
| 500 | 89.5 | 98.2 | 98.6 | 98.9 | 99.3 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| 400 | 89.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 300 | 89.5 | 98.2 | 98.6 | 99.0 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| 200 | 89.5 | 98.2 | 98.6 | 99.0 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| 100 | 89.5 | 98.2 | 98.6 | 99.0 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| 0 | 89.5 | 98.2 | 98.6 | 99.0 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-76

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY STAT. IN MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO CEILING | 55.6 | 59.6 | 59.9 | 60.1 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 61.0 | 61.0 | 61.0 | 61.2 | 61.2 | 61.3 | 61.3 |
| ≥ 20000 | 63.6 | 68.1 | 68.6 | 68.8 | 69.1 | 69.1 | 69.3 | 69.3 | 69.3 | 69.8 | 69.8 | 69.8 | 70.2 | 70.2 | 70.3 | 70.3 |
| ≥ 18000 | 63.6 | 68.1 | 68.6 | 68.8 | 69.1 | 69.1 | 69.3 | 69.3 | 69.3 | 69.8 | 69.8 | 69.8 | 70.2 | 70.2 | 70.3 | 70.3 |
| ≥ 16000 | 63.6 | 68.3 | 68.8 | 69.0 | 69.3 | 69.3 | 69.6 | 69.6 | 69.6 | 70.0 | 70.0 | 70.0 | 70.4 | 70.4 | 70.6 | 70.6 |
| ≥ 14000 | 64.1 | 68.7 | 69.2 | 69.4 | 69.8 | 69.8 | 70.0 | 70.0 | 70.0 | 70.4 | 70.4 | 70.4 | 70.9 | 70.9 | 71.0 | 71.0 |
| ≥ 12000 | 65.7 | 70.7 | 71.2 | 71.4 | 71.8 | 71.8 | 72.0 | 72.0 | 72.0 | 72.4 | 72.4 | 72.4 | 72.9 | 72.9 | 73.0 | 73.0 |
| ≥ 10000 | 67.9 | 73.4 | 74.1 | 74.3 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 75.3 | 75.3 | 75.3 | 75.8 | 75.8 | 75.9 | 75.9 |
| ≥ 9000 | 70.6 | 76.6 | 77.2 | 77.4 | 77.8 | 77.8 | 78.0 | 78.0 | 78.0 | 78.4 | 78.4 | 78.4 | 78.9 | 78.9 | 79.0 | 79.0 |
| ≥ 8000 | 71.9 | 78.1 | 79.1 | 79.3 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9 | 80.3 | 80.3 | 80.3 | 80.8 | 80.8 | 80.9 | 80.9 |
| ≥ 7000 | 72.6 | 78.9 | 79.9 | 80.1 | 80.4 | 80.4 | 80.7 | 80.7 | 80.7 | 81.1 | 81.1 | 81.1 | 81.6 | 81.6 | 81.7 | 81.7 |
| ≥ 6000 | 73.9 | 80.3 | 81.3 | 81.6 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.6 | 82.6 | 82.6 | 83.0 | 83.0 | 83.1 | 83.1 |
| ≥ 5000 | 75.3 | 81.9 | 82.9 | 83.1 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 84.1 | 84.1 | 84.1 | 84.6 | 84.6 | 84.7 | 84.7 |
| ≥ 4500 | 77.8 | 84.6 | 85.6 | 85.9 | 86.2 | 86.2 | 86.4 | 86.4 | 86.4 | 86.9 | 86.9 | 86.9 | 87.3 | 87.3 | 87.4 | 87.4 |
| ≥ 4000 | 79.6 | 86.8 | 87.8 | 88.1 | 88.4 | 88.4 | 88.7 | 88.7 | 88.7 | 89.1 | 89.1 | 89.1 | 89.6 | 89.6 | 89.7 | 89.7 |
| ≥ 3500 | 81.0 | 88.9 | 89.9 | 90.2 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8 | 91.2 | 91.2 | 91.2 | 91.7 | 91.7 | 91.8 | 91.8 |
| ≥ 3000 | 83.0 | 91.1 | 92.2 | 92.6 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.6 | 93.6 | 93.6 | 94.0 | 94.0 | 94.1 | 94.1 |
| ≥ 2500 | 83.8 | 91.9 | 93.0 | 93.3 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.8 | 94.8 | 94.9 | 94.9 |
| ≥ 2000 | 84.3 | 92.9 | 94.2 | 94.6 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.6 | 95.6 | 95.6 | 96.0 | 96.0 | 96.1 | 96.1 |
| ≥ 1800 | 84.6 | 93.2 | 94.6 | 94.9 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.9 | 95.9 | 95.9 | 96.3 | 96.3 | 96.4 | 96.4 |
| ≥ 1500 | 84.6 | 94.0 | 95.3 | 95.7 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 | 97.2 | 97.2 |
| ≥ 1200 | 84.7 | 94.3 | 95.7 | 96.0 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 97.0 | 97.0 | 97.0 | 97.4 | 97.4 | 97.6 | 97.6 |
| ≥ 1000 | 84.8 | 94.4 | 95.8 | 96.1 | 96.4 | 96.4 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 | 97.1 | 97.6 | 97.6 | 97.7 | 97.7 |
| ≥ 900 | 85.2 | 95.6 | 96.9 | 97.2 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 98.2 | 98.2 | 98.2 | 98.7 | 98.7 | 98.8 | 98.8 |
| ≥ 800 | 85.2 | 95.7 | 97.0 | 97.3 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.8 | 98.8 | 98.9 | 98.9 |
| ≥ 700 | 85.2 | 96.0 | 97.3 | 97.7 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.2 | 99.2 |
| ≥ 600 | 85.3 | 96.1 | 97.4 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 |
| ≥ 500 | 85.4 | 96.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 99.6 |
| ≥ 400 | 85.4 | 96.4 | 97.8 | 98.1 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 300 | 85.4 | 96.4 | 97.8 | 98.4 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 85.4 | 96.4 | 97.8 | 98.4 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 85.4 | 96.4 | 97.8 | 98.4 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 85.4 | 96.4 | 97.8 | 98.4 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

990

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

1286R

KSC SHUTTLE APT FL

69-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 54.3 | 58.9 | 59.1 | 59.7 | 59.9 | 59.9 | 60.4 | 60.6 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 61.3 | 61.3 | 61.9 |
| ≥20000 | 62.8 | 67.6 | 67.8 | 68.3 | 68.6 | 68.6 | 69.1 | 69.2 | 69.2 | 69.6 | 69.6 | 69.6 | 69.6 | 70.1 | 70.1 | 70.7 |
| ≥18000 | 62.3 | 67.6 | 67.8 | 68.3 | 68.6 | 68.6 | 69.1 | 69.2 | 69.2 | 69.6 | 69.6 | 69.6 | 69.6 | 70.1 | 70.1 | 70.7 |
| ≥16000 | 63.1 | 67.9 | 68.1 | 68.7 | 68.9 | 68.9 | 69.4 | 69.6 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 70.4 | 70.4 | 71.0 |
| ≥14000 | 63.3 | 68.1 | 68.3 | 68.9 | 69.1 | 69.1 | 69.7 | 69.8 | 69.8 | 70.1 | 70.1 | 70.1 | 70.1 | 70.7 | 70.7 | 71.2 |
| ≥12000 | 65.0 | 69.9 | 70.1 | 70.7 | 70.9 | 70.9 | 71.4 | 71.6 | 71.6 | 71.9 | 71.9 | 71.9 | 71.9 | 72.4 | 72.4 | 73.0 |
| ≥10000 | 66.9 | 72.4 | 72.8 | 73.4 | 73.7 | 73.7 | 74.2 | 74.3 | 74.3 | 74.7 | 74.7 | 74.7 | 74.7 | 75.2 | 75.2 | 75.8 |
| ≥9000 | 67.9 | 73.9 | 74.2 | 74.9 | 75.1 | 75.1 | 75.7 | 75.8 | 75.8 | 76.1 | 76.1 | 76.1 | 76.1 | 76.7 | 76.7 | 77.2 |
| ≥8000 | 69.3 | 75.6 | 75.9 | 76.6 | 76.8 | 76.8 | 77.3 | 77.4 | 77.4 | 77.8 | 77.8 | 77.8 | 77.8 | 78.3 | 78.3 | 78.9 |
| ≥7500 | 69.7 | 76.1 | 76.4 | 77.1 | 77.3 | 77.3 | 77.9 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.9 | 78.9 | 79.4 |
| ≥7000 | 70.8 | 77.6 | 77.9 | 78.6 | 78.8 | 78.8 | 79.3 | 79.4 | 79.4 | 79.8 | 79.8 | 79.8 | 79.8 | 80.3 | 80.3 | 80.9 |
| ≥6500 | 71.8 | 79.6 | 79.9 | 80.6 | 80.8 | 80.8 | 81.3 | 81.4 | 81.4 | 81.8 | 81.8 | 81.8 | 81.8 | 82.3 | 82.3 | 82.9 |
| ≥6000 | 73.9 | 82.3 | 82.7 | 83.3 | 83.6 | 83.6 | 84.1 | 84.2 | 84.2 | 84.6 | 84.6 | 84.6 | 84.6 | 85.1 | 85.1 | 85.7 |
| ≥5500 | 76.6 | 85.3 | 85.7 | 86.3 | 86.6 | 86.6 | 87.1 | 87.2 | 87.2 | 87.6 | 87.6 | 87.6 | 87.6 | 88.1 | 88.1 | 88.7 |
| ≥5000 | 78.6 | 87.3 | 87.8 | 88.4 | 88.8 | 88.8 | 89.3 | 89.4 | 89.4 | 89.8 | 89.8 | 89.8 | 89.8 | 90.3 | 90.3 | 90.9 |
| ≥4500 | 79.7 | 88.7 | 89.1 | 89.8 | 90.1 | 90.1 | 90.7 | 90.8 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.7 | 91.7 | 92.2 |
| ≥4000 | 80.1 | 89.4 | 89.9 | 90.6 | 90.9 | 90.9 | 91.4 | 91.6 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 92.4 | 92.4 | 93.0 |
| ≥3500 | 81.9 | 91.9 | 92.4 | 93.1 | 93.4 | 93.4 | 94.0 | 94.1 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 95.0 | 95.0 | 95.6 |
| ≥3000 | 82.0 | 92.0 | 92.6 | 93.2 | 93.6 | 93.6 | 94.1 | 94.2 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 95.1 | 95.1 | 95.7 |
| ≥2500 | 82.1 | 92.6 | 93.1 | 93.6 | 94.1 | 94.1 | 94.7 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.7 | 95.7 | 96.2 |
| ≥2000 | 82.2 | 93.3 | 93.9 | 94.6 | 94.9 | 94.9 | 95.4 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 96.4 | 96.4 | 97.0 |
| ≥1800 | 82.2 | 93.6 | 94.1 | 94.8 | 95.1 | 95.1 | 95.7 | 95.8 | 95.8 | 96.2 | 96.2 | 96.2 | 96.2 | 96.8 | 96.8 | 97.3 |
| ≥1600 | 82.3 | 93.8 | 94.3 | 95.0 | 95.3 | 95.3 | 95.9 | 96.0 | 96.0 | 96.4 | 96.4 | 96.4 | 96.4 | 97.0 | 97.0 | 97.6 |
| ≥1400 | 82.3 | 93.9 | 94.6 | 95.2 | 95.6 | 95.6 | 96.1 | 96.2 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 97.2 | 97.2 | 97.8 |
| ≥1200 | 82.3 | 94.3 | 95.0 | 95.7 | 96.0 | 96.0 | 96.6 | 96.7 | 96.7 | 97.1 | 97.1 | 97.1 | 97.1 | 97.7 | 97.7 | 98.2 |
| ≥1000 | 82.3 | 94.3 | 95.0 | 95.7 | 96.0 | 96.0 | 96.6 | 96.7 | 96.7 | 97.1 | 97.1 | 97.1 | 97.1 | 97.7 | 97.7 | 98.2 |
| ≥900 | 82.4 | 94.7 | 95.2 | 96.0 | 96.3 | 96.3 | 96.9 | 97.0 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.6 |
| ≥800 | 82.6 | 94.9 | 95.7 | 96.3 | 96.8 | 96.8 | 97.3 | 97.4 | 97.4 | 97.9 | 97.9 | 97.9 | 97.9 | 98.4 | 98.4 | 99.0 |
| ≥700 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.9 | 98.9 | 99.4 |
| ≥600 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.6 |
| ≥500 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.6 |
| ≥400 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.6 |
| ≥300 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.6 |
| ≥200 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.6 |
| ≥100 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.6 |
| ≥0 | 82.7 | 95.0 | 95.9 | 96.8 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING ≥ 20000 | 47.3 | 52.6 | 53.0 | 53.7 | 54.3 | 54.3 | 54.8 | 54.9 | 54.9 | 55.3 | 55.3 | 55.3 | 56.1 | 56.1 | 56.4 | 57.2 |
| ≥ 18000 | 56.7 | 63.0 | 63.4 | 64.7 | 65.4 | 65.4 | 65.9 | 66.1 | 66.1 | 66.7 | 66.7 | 66.7 | 67.6 | 67.6 | 68.0 | 68.8 |
| ≥ 16000 | 56.9 | 63.3 | 63.8 | 65.0 | 65.8 | 65.8 | 66.2 | 66.4 | 66.4 | 67.0 | 67.0 | 67.0 | 67.9 | 67.9 | 68.3 | 69.1 |
| ≥ 14000 | 57.4 | 64.0 | 64.4 | 65.7 | 66.4 | 66.4 | 66.9 | 67.1 | 67.1 | 67.7 | 67.7 | 67.7 | 68.6 | 68.6 | 69.0 | 69.8 |
| ≥ 12000 | 58.0 | 64.7 | 65.1 | 66.3 | 67.1 | 67.1 | 67.6 | 67.8 | 67.8 | 68.3 | 68.3 | 68.3 | 69.2 | 69.2 | 69.7 | 70.4 |
| ≥ 10000 | 59.9 | 67.3 | 67.8 | 69.0 | 69.9 | 69.9 | 70.4 | 70.7 | 70.7 | 71.2 | 71.2 | 71.2 | 72.1 | 72.1 | 72.6 | 73.3 |
| ≥ 8000 | 61.7 | 69.4 | 70.0 | 71.2 | 72.1 | 72.1 | 72.7 | 72.9 | 72.9 | 73.4 | 73.4 | 73.4 | 74.3 | 74.3 | 74.8 | 75.6 |
| ≥ 7000 | 62.2 | 70.8 | 71.3 | 72.6 | 73.4 | 73.4 | 74.0 | 74.2 | 74.2 | 74.8 | 74.8 | 74.8 | 75.7 | 75.7 | 76.1 | 76.9 |
| ≥ 6000 | 63.6 | 72.4 | 73.0 | 74.2 | 75.1 | 75.1 | 75.8 | 76.1 | 76.1 | 76.7 | 76.7 | 76.7 | 77.6 | 77.6 | 78.0 | 78.8 |
| ≥ 5000 | 65.0 | 74.3 | 74.9 | 76.1 | 77.0 | 77.0 | 77.7 | 78.0 | 78.0 | 78.6 | 78.6 | 78.6 | 79.4 | 79.4 | 79.9 | 80.7 |
| ≥ 4500 | 67.1 | 76.7 | 77.2 | 78.4 | 79.3 | 79.3 | 80.0 | 80.3 | 80.3 | 80.9 | 80.9 | 80.9 | 81.8 | 81.8 | 82.2 | 83.0 |
| ≥ 4000 | 68.4 | 78.2 | 78.9 | 80.1 | 81.0 | 81.0 | 81.7 | 82.0 | 82.0 | 82.6 | 82.6 | 82.6 | 83.4 | 83.4 | 83.9 | 84.7 |
| ≥ 3500 | 69.6 | 79.6 | 80.2 | 81.4 | 82.3 | 82.3 | 83.0 | 83.3 | 83.3 | 83.9 | 83.9 | 83.9 | 84.8 | 84.8 | 85.2 | 86.0 |
| ≥ 3000 | 71.2 | 81.7 | 82.3 | 83.7 | 84.6 | 84.6 | 85.3 | 85.7 | 85.7 | 86.2 | 86.2 | 86.2 | 87.1 | 87.1 | 87.6 | 88.3 |
| ≥ 2500 | 72.9 | 84.1 | 84.8 | 86.1 | 87.0 | 87.0 | 87.8 | 88.1 | 88.1 | 88.7 | 88.7 | 88.7 | 89.6 | 89.6 | 90.0 | 90.8 |
| ≥ 2000 | 73.6 | 85.3 | 86.0 | 87.3 | 88.2 | 88.2 | 89.0 | 89.3 | 89.3 | 89.9 | 89.9 | 89.9 | 90.8 | 90.8 | 91.2 | 92.0 |
| ≥ 1800 | 74.7 | 86.8 | 87.4 | 88.8 | 89.7 | 89.7 | 90.4 | 90.8 | 90.8 | 91.3 | 91.3 | 91.3 | 92.2 | 92.2 | 92.7 | 93.4 |
| ≥ 1500 | 75.4 | 88.0 | 88.7 | 90.0 | 90.9 | 90.9 | 91.7 | 92.0 | 92.0 | 92.6 | 92.6 | 92.6 | 93.4 | 93.4 | 93.9 | 94.7 |
| ≥ 1200 | 75.9 | 88.8 | 89.4 | 90.8 | 91.7 | 91.7 | 92.4 | 92.8 | 92.8 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 94.7 | 95.4 |
| ≥ 1000 | 76.2 | 89.3 | 90.0 | 91.4 | 92.3 | 92.3 | 93.1 | 93.4 | 93.4 | 94.0 | 94.0 | 94.0 | 94.9 | 94.9 | 95.3 | 96.1 |
| ≥ 800 | 76.4 | 89.8 | 90.4 | 92.0 | 92.9 | 92.9 | 93.8 | 94.1 | 94.1 | 94.8 | 94.8 | 94.8 | 95.7 | 95.7 | 96.1 | 96.9 |
| ≥ 700 | 76.7 | 90.3 | 91.0 | 92.6 | 93.4 | 93.4 | 94.3 | 94.7 | 94.7 | 95.3 | 95.3 | 95.3 | 96.2 | 96.2 | 96.7 | 97.4 |
| ≥ 600 | 76.7 | 90.9 | 91.6 | 93.1 | 94.0 | 94.0 | 94.9 | 95.2 | 95.2 | 95.9 | 95.9 | 95.9 | 96.8 | 96.8 | 97.2 | 98.0 |
| ≥ 500 | 76.7 | 91.1 | 91.8 | 93.3 | 94.2 | 94.2 | 95.1 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 97.0 | 97.0 | 97.4 | 98.2 |
| ≥ 400 | 76.7 | 91.1 | 91.8 | 93.3 | 94.2 | 94.2 | 95.1 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 97.0 | 97.0 | 97.4 | 98.2 |
| ≥ 300 | 76.7 | 91.1 | 91.8 | 93.3 | 94.2 | 94.2 | 95.1 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 97.0 | 97.0 | 97.4 | 98.2 |
| ≥ 200 | 76.7 | 91.2 | 91.9 | 93.4 | 94.6 | 94.6 | 95.7 | 96.0 | 96.0 | 96.7 | 96.7 | 96.7 | 97.6 | 97.6 | 98.2 | 99.0 |
| ≥ 100 | 76.7 | 91.2 | 91.9 | 93.4 | 94.6 | 94.6 | 95.7 | 96.0 | 96.0 | 96.7 | 96.7 | 96.7 | 97.6 | 97.6 | 98.2 | 99.0 |
| ≥ 0 | 76.7 | 91.3 | 92.0 | 93.6 | 94.8 | 94.8 | 95.9 | 96.2 | 96.2 | 97.3 | 97.3 | 97.3 | 98.7 | 98.7 | 99.2 | 100.0 |
| ≥ 0 | 76.7 | 91.3 | 92.0 | 93.6 | 94.8 | 94.8 | 95.9 | 96.2 | 96.2 | 97.3 | 97.3 | 97.3 | 98.7 | 98.7 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC

FORM
1 JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-76

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING | 49.0 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 20000 | 61.7 | 65.2 | 65.2 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| IV 18000 | 62.1 | 65.8 | 65.8 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| IV 16000 | 63.1 | 66.9 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| IV 14000 | 64.2 | 68.3 | 68.4 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| IV 12000 | 66.8 | 71.4 | 71.6 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| IV 10000 | 69.0 | 74.0 | 74.1 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| IV 9000 | 70.1 | 75.2 | 75.3 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| IV 8000 | 72.0 | 77.9 | 78.2 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| IV 7000 | 74.1 | 80.3 | 80.8 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 6000 | 77.3 | 83.9 | 84.3 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| IV 5000 | 80.1 | 86.9 | 87.3 | 87.7 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 4500 | 80.4 | 87.4 | 87.9 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 4000 | 81.4 | 88.6 | 89.0 | 89.4 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 3500 | 83.3 | 90.8 | 91.2 | 91.7 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IV 3000 | 83.8 | 91.4 | 91.9 | 92.3 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| IV 2500 | 84.6 | 92.3 | 92.8 | 93.3 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 2000 | 85.6 | 93.8 | 94.2 | 94.8 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 1800 | 85.6 | 93.9 | 94.3 | 94.9 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 1500 | 85.8 | 94.1 | 94.6 | 95.1 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 1200 | 86.4 | 95.3 | 95.9 | 96.4 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 1000 | 86.4 | 95.4 | 96.0 | 96.7 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 900 | 86.7 | 95.7 | 96.2 | 96.9 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 800 | 86.7 | 95.7 | 96.2 | 97.0 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 700 | 86.7 | 96.0 | 96.7 | 97.4 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 600 | 86.7 | 96.2 | 96.9 | 97.7 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 500 | 86.7 | 96.2 | 96.9 | 97.9 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| IV 400 | 86.7 | 96.3 | 97.0 | 98.0 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 |
| IV 300 | 86.7 | 96.7 | 97.3 | 98.4 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 |
| IV 200 | 86.7 | 96.8 | 97.4 | 98.6 | 99.2 | 99.2 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| IV 100 | 86.7 | 96.8 | 97.4 | 98.6 | 99.2 | 99.2 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| IV 0 | 86.7 | 96.8 | 97.4 | 98.6 | 99.2 | 99.2 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

89-76

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 51.3 | 57.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 20000 | 67.9 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 18000 | 68.4 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 16000 | 69.1 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| 14000 | 71.0 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 12000 | 72.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 10000 | 74.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 9000 | 76.2 | 78.2 | 78.4 | 78.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 8000 | 77.9 | 80.4 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 7000 | 80.4 | 83.4 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 6000 | 83.0 | 86.4 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| 5000 | 84.3 | 87.8 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 4500 | 85.1 | 89.2 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4000 | 85.9 | 90.2 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 3500 | 87.4 | 92.0 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 3000 | 88.1 | 93.2 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 2500 | 89.3 | 94.9 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 2000 | 91.3 | 97.7 | 98.3 | 98.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1900 | 91.3 | 97.8 | 98.4 | 98.4 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 1500 | 91.3 | 97.9 | 98.7 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 1200 | 91.7 | 98.4 | 99.2 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1000 | 91.7 | 98.4 | 99.2 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 900 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 800 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 700 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 600 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 500 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 400 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 300 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 200 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 100 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 0 | 91.8 | 98.8 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

09-76

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|
| | ≥10 | ≥8 | ≥6 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥1/64 | ≥1/128 | ≥1/256 | ≥1/512 |
| NO CEILING | 49.1 | 50.3 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥2000 | 67.7 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| ≥1800 | 68.3 | 70.3 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| ≥1600 | 69.3 | 71.4 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥1400 | 70.9 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| ≥1200 | 72.9 | 75.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥1000 | 75.4 | 78.4 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥900 | 76.6 | 80.2 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥800 | 78.5 | 83.0 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥700 | 80.0 | 84.6 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥600 | 82.4 | 87.4 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥500 | 83.6 | 88.7 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥450 | 85.0 | 90.1 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥400 | 85.9 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥350 | 86.9 | 93.2 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥300 | 87.8 | 94.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥2500 | 88.7 | 95.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥2000 | 89.0 | 96.6 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥1800 | 89.1 | 96.7 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥1600 | 89.1 | 96.8 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥1400 | 89.1 | 96.9 | 98.3 | 98.3 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥1200 | 89.1 | 97.0 | 98.4 | 98.4 | 98.7 | 98.7 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥1000 | 89.1 | 97.1 | 98.8 | 98.8 | 99.1 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥900 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥800 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥700 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥600 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥500 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥400 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥300 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥200 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥100 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥0 | 89.1 | 97.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

899

USAF ETAC

FORM 12868

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

09-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.01 |
| NO CEILING | 51.9 | 52.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| ≥ 20000 | 65.7 | 68.1 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| ≥ 18000 | 65.9 | 68.4 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 16000 | 66.4 | 69.0 | 69.6 | 69.6 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 14000 | 68.2 | 70.8 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 12000 | 70.4 | 73.1 | 73.7 | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| ≥ 10000 | 74.3 | 78.2 | 78.8 | 78.9 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| ≥ 8000 | 76.3 | 80.6 | 81.1 | 81.2 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 6000 | 78.3 | 83.2 | 83.8 | 83.9 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 5000 | 79.9 | 85.3 | 85.9 | 86.0 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 4500 | 81.4 | 87.2 | 87.8 | 87.9 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 4000 | 83.1 | 89.0 | 89.6 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 3500 | 84.6 | 90.8 | 91.3 | 91.4 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 3000 | 85.9 | 92.8 | 93.3 | 93.6 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 2500 | 87.1 | 94.2 | 94.8 | 95.0 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 2000 | 88.0 | 95.2 | 95.8 | 96.0 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 1800 | 88.4 | 96.0 | 96.6 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 1600 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1400 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1200 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1000 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 900 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 800 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 700 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 600 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 500 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 400 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 300 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 200 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 100 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 0 | 88.8 | 97.0 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

19-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| CEILING FEET | VISIBILITY STATISTICAL VALUES | | | | | | | | | | | | | | | |
|-----------------|-------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥1/64 | ≥1/128 | ≥1/256 | ≥1/512 |
| NO CEILING | 58.6 | 60.1 | 60.7 | 60.8 | 60.8 | 60.8 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 |
| ≥ 20000 | 68.0 | 70.4 | 71.1 | 71.2 | 71.2 | 71.2 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 |
| ≥ 18000 | 68.0 | 70.4 | 71.1 | 71.2 | 71.2 | 71.2 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 |
| ≥ 16000 | 68.3 | 70.8 | 71.4 | 71.6 | 71.6 | 71.6 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 | 71.9 | 71.9 | 71.9 |
| ≥ 14000 | 68.7 | 71.1 | 71.8 | 71.9 | 71.9 | 71.9 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 12000 | 70.3 | 73.1 | 73.8 | 73.9 | 73.9 | 73.9 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 |
| ≥ 10000 | 73.8 | 77.2 | 77.9 | 78.0 | 78.1 | 78.1 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 9000 | 75.9 | 80.1 | 80.8 | 80.9 | 81.0 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 8000 | 77.2 | 81.6 | 82.2 | 82.3 | 82.4 | 82.4 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 7000 | 79.2 | 83.7 | 84.3 | 84.4 | 84.6 | 84.6 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 6000 | 80.8 | 85.6 | 86.2 | 86.3 | 86.4 | 86.4 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 5000 | 81.6 | 86.6 | 87.2 | 87.3 | 87.4 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 4500 | 82.8 | 88.0 | 88.7 | 88.8 | 88.9 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 4000 | 85.0 | 90.3 | 91.0 | 91.1 | 91.2 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 3500 | 86.7 | 92.2 | 92.9 | 93.0 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 3000 | 87.9 | 94.2 | 94.9 | 95.0 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 2500 | 88.3 | 94.9 | 95.7 | 95.8 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 2000 | 89.0 | 96.0 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 1800 | 89.0 | 96.0 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 1500 | 89.1 | 96.4 | 97.2 | 97.3 | 97.4 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 1200 | 89.1 | 96.8 | 97.6 | 97.7 | 97.8 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 1000 | 89.2 | 97.2 | 98.0 | 98.1 | 98.2 | 98.2 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 900 | 89.3 | 97.4 | 98.2 | 98.3 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 800 | 89.4 | 97.9 | 98.7 | 98.8 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 700 | 89.6 | 98.1 | 98.9 | 99.0 | 99.1 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 89.6 | 98.2 | 99.0 | 99.1 | 99.2 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 89.6 | 98.3 | 99.1 | 99.2 | 99.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 89.6 | 98.3 | 99.1 | 99.2 | 99.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 89.6 | 98.3 | 99.2 | 99.3 | 99.4 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 89.6 | 98.3 | 99.2 | 99.3 | 99.4 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 89.6 | 98.3 | 99.2 | 99.3 | 99.4 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 89.6 | 98.3 | 99.2 | 99.3 | 99.4 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| ≥1000 | 52.1 | 54.8 | 55.1 | 55.3 | 55.5 | 55.5 | 55.6 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 56.0 | 56.0 | 56.2 | 56.3 |
| ≥900 | 64.2 | 67.6 | 68.0 | 68.3 | 68.5 | 68.5 | 68.6 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 69.1 | 69.1 | 69.3 | 69.4 |
| ≥800 | 64.5 | 68.0 | 68.4 | 68.7 | 68.8 | 68.8 | 69.0 | 69.1 | 69.1 | 69.3 | 69.3 | 69.3 | 69.5 | 69.5 | 69.6 | 69.8 |
| ≥700 | 65.1 | 68.5 | 69.0 | 69.3 | 69.5 | 69.5 | 69.6 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 70.1 | 70.1 | 70.3 | 70.4 |
| ≥600 | 66.1 | 69.7 | 70.1 | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.2 | 71.2 | 71.4 | 71.5 |
| ≥500 | 67.9 | 71.9 | 72.3 | 72.6 | 72.8 | 72.8 | 73.0 | 73.0 | 73.0 | 73.2 | 73.2 | 73.2 | 73.5 | 73.5 | 73.6 | 73.8 |
| ≥400 | 70.5 | 75.0 | 75.4 | 75.8 | 76.0 | 76.0 | 76.2 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | 76.8 | 77.0 |
| ≥300 | 72.0 | 76.9 | 77.4 | 77.8 | 78.0 | 78.0 | 78.2 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 | 78.8 | 79.0 |
| ≥200 | 73.6 | 79.0 | 79.6 | 79.9 | 80.2 | 80.2 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.9 | 80.9 | 81.0 | 81.2 |
| ≥100 | 75.1 | 80.8 | 81.4 | 81.8 | 82.0 | 82.0 | 82.2 | 82.3 | 82.3 | 82.5 | 82.5 | 82.5 | 82.7 | 82.7 | 82.9 | 83.0 |
| ≥50 | 77.1 | 83.1 | 83.7 | 84.1 | 84.3 | 84.3 | 84.5 | 84.6 | 84.6 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.2 | 85.3 |
| ≥25 | 78.5 | 84.8 | 85.4 | 85.7 | 86.0 | 86.0 | 86.2 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.8 | 86.8 | 86.9 | 87.1 |
| ≥15 | 79.9 | 86.5 | 87.1 | 87.4 | 87.7 | 87.7 | 87.9 | 88.0 | 88.0 | 88.2 | 88.2 | 88.2 | 88.5 | 88.5 | 88.6 | 88.8 |
| ≥10 | 81.4 | 88.4 | 89.1 | 89.4 | 89.7 | 89.7 | 90.0 | 90.1 | 90.1 | 90.3 | 90.3 | 90.3 | 90.5 | 90.5 | 90.7 | 90.8 |
| ≥5 | 83.0 | 90.3 | 91.0 | 91.4 | 91.7 | 91.7 | 91.9 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.5 | 92.5 | 92.6 | 92.8 |
| ≥2 | 84.0 | 91.7 | 92.4 | 92.8 | 93.1 | 93.1 | 93.3 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.9 | 93.9 | 94.0 | 94.2 |
| ≥1 | 84.7 | 92.8 | 93.5 | 93.9 | 94.2 | 94.2 | 94.5 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 95.0 | 95.0 | 95.2 | 95.3 |
| ≥0.5 | 85.7 | 94.2 | 95.0 | 95.4 | 95.8 | 95.8 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.6 | 96.6 | 96.7 | 96.9 |
| ≥0.25 | 85.7 | 94.3 | 95.2 | 95.6 | 95.9 | 95.9 | 96.2 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.8 | 96.8 | 96.9 | 97.0 |
| ≥0.1 | 85.8 | 94.7 | 95.5 | 95.9 | 96.2 | 96.3 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 97.1 | 97.1 | 97.2 | 97.4 |
| ≥0.05 | 86.0 | 95.2 | 96.1 | 96.5 | 96.8 | 96.8 | 97.1 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.7 | 97.7 | 97.8 | 98.0 |
| ≥0.025 | 86.1 | 95.4 | 96.2 | 96.7 | 97.0 | 97.0 | 97.4 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.2 | 98.3 |
| ≥0.01 | 86.2 | 95.8 | 96.7 | 97.1 | 97.5 | 97.5 | 97.8 | 97.9 | 97.9 | 98.2 | 98.2 | 98.2 | 98.5 | 98.5 | 98.6 | 98.7 |
| ≥0.005 | 86.2 | 95.9 | 96.8 | 97.3 | 97.7 | 97.7 | 98.0 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 | 99.0 |
| ≥0.0025 | 86.3 | 96.2 | 97.1 | 97.6 | 97.9 | 97.9 | 98.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 |
| ≥0.001 | 86.3 | 96.2 | 97.1 | 97.6 | 98.0 | 98.0 | 98.4 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 99.0 | 99.0 | 99.2 | 99.3 |
| ≥0.0005 | 86.3 | 96.3 | 97.2 | 97.7 | 98.1 | 98.1 | 98.5 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.2 | 99.2 | 99.3 | 99.5 |
| ≥0.00025 | 86.3 | 96.4 | 97.3 | 97.8 | 98.2 | 98.3 | 98.7 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥0.0001 | 86.3 | 96.4 | 97.4 | 98.0 | 98.4 | 98.4 | 98.8 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| ≥0.00005 | 86.3 | 96.5 | 97.4 | 98.0 | 98.4 | 98.5 | 98.9 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.8 | 100.0 |
| ≥0.000025 | 86.3 | 96.5 | 97.4 | 98.0 | 98.4 | 98.5 | 98.9 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.8 | 100.0 |
| ≥0.00001 | 86.3 | 96.5 | 97.4 | 98.0 | 98.4 | 98.5 | 98.9 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1286H

KSC SHUTTLE APT FL

09-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 54.8 | 57.5 | 58.0 | 58.4 | 58.8 | 58.8 | 59.2 | 59.2 | 59.2 | 60.1 | 60.2 | 60.2 | 60.3 | 60.3 | 60.5 | 61.1 |
| ≥20000 | 63.5 | 66.3 | 66.8 | 67.2 | 67.6 | 67.6 | 68.1 | 68.1 | 68.1 | 68.9 | 69.0 | 69.0 | 69.1 | 69.1 | 69.4 | 69.9 |
| IV 18000 | 63.8 | 66.6 | 67.0 | 67.4 | 67.8 | 67.8 | 68.3 | 68.3 | 68.3 | 69.1 | 69.2 | 69.2 | 69.4 | 69.4 | 69.6 | 70.1 |
| IV 16000 | 63.9 | 66.7 | 67.1 | 67.5 | 68.0 | 68.0 | 68.4 | 68.4 | 68.4 | 69.2 | 69.4 | 69.4 | 69.5 | 69.5 | 69.7 | 70.2 |
| IV 14000 | 64.5 | 67.3 | 67.7 | 68.2 | 68.6 | 68.6 | 69.0 | 69.0 | 69.0 | 69.9 | 70.0 | 70.0 | 70.1 | 70.1 | 70.3 | 70.9 |
| IV 12000 | 66.0 | 68.8 | 69.2 | 69.8 | 70.2 | 70.2 | 70.8 | 70.8 | 70.8 | 71.7 | 71.8 | 71.8 | 71.9 | 71.9 | 72.2 | 72.7 |
| IV 10000 | 68.7 | 71.6 | 72.0 | 72.6 | 73.0 | 73.0 | 73.5 | 73.5 | 73.5 | 74.5 | 74.6 | 74.6 | 74.7 | 74.7 | 74.9 | 75.6 |
| IV 9000 | 70.8 | 74.1 | 74.5 | 75.1 | 75.5 | 75.5 | 76.0 | 76.0 | 76.0 | 77.0 | 77.1 | 77.1 | 77.2 | 77.2 | 77.4 | 78.1 |
| IV 8000 | 72.9 | 76.5 | 76.9 | 77.6 | 78.1 | 78.1 | 78.6 | 78.6 | 78.6 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 80.0 | 80.6 |
| IV 7000 | 73.2 | 76.8 | 77.2 | 78.0 | 78.4 | 78.4 | 78.9 | 78.9 | 78.9 | 79.9 | 80.0 | 80.0 | 80.1 | 80.1 | 80.3 | 81.0 |
| IV 6000 | 74.7 | 78.5 | 78.9 | 79.7 | 80.1 | 80.1 | 80.6 | 80.6 | 80.6 | 81.6 | 81.7 | 81.7 | 81.8 | 81.8 | 82.0 | 82.7 |
| IV 5000 | 76.0 | 79.9 | 80.3 | 81.1 | 81.5 | 81.5 | 82.0 | 82.0 | 82.0 | 83.0 | 83.1 | 83.1 | 83.2 | 83.2 | 83.4 | 84.1 |
| IV 4500 | 77.8 | 81.8 | 82.3 | 83.0 | 83.4 | 83.4 | 84.0 | 84.0 | 84.0 | 84.9 | 85.1 | 85.1 | 85.2 | 85.2 | 85.4 | 86.0 |
| IV 4000 | 79.2 | 83.8 | 84.2 | 84.9 | 85.4 | 85.4 | 85.9 | 85.9 | 85.9 | 86.9 | 87.0 | 87.0 | 87.1 | 87.1 | 87.3 | 88.0 |
| IV 3500 | 81.7 | 86.5 | 86.9 | 87.6 | 88.1 | 88.1 | 88.6 | 88.6 | 88.6 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 90.0 | 90.6 |
| IV 3000 | 82.6 | 88.0 | 88.4 | 89.1 | 89.6 | 89.6 | 90.1 | 90.1 | 90.1 | 91.1 | 91.2 | 91.2 | 91.3 | 91.3 | 91.5 | 92.2 |
| IV 2500 | 84.0 | 89.5 | 89.9 | 90.6 | 91.1 | 91.1 | 91.6 | 91.6 | 91.6 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 93.0 | 93.7 |
| IV 2000 | 85.4 | 91.9 | 92.4 | 93.1 | 93.5 | 93.5 | 94.1 | 94.1 | 94.1 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.5 | 96.1 |
| IV 1800 | 85.4 | 92.0 | 92.5 | 93.2 | 93.7 | 93.7 | 94.2 | 94.2 | 94.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.6 | 96.2 |
| IV 1500 | 85.8 | 93.0 | 93.4 | 94.1 | 94.5 | 94.5 | 95.1 | 95.1 | 95.1 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.5 | 97.1 |
| IV 1200 | 86.0 | 93.3 | 93.8 | 94.5 | 95.0 | 95.0 | 95.6 | 95.6 | 95.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 97.0 | 97.6 |
| IV 1000 | 86.3 | 93.7 | 94.1 | 95.0 | 95.5 | 95.5 | 96.1 | 96.1 | 96.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.5 | 98.2 |
| IV 900 | 86.5 | 93.9 | 94.3 | 95.2 | 95.7 | 95.7 | 96.3 | 96.3 | 96.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.7 | 98.4 |
| IV 800 | 86.5 | 93.9 | 94.3 | 95.2 | 95.7 | 95.7 | 96.3 | 96.3 | 96.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.7 | 98.4 |
| IV 700 | 86.5 | 94.1 | 94.5 | 95.4 | 95.9 | 95.9 | 96.5 | 96.5 | 96.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 98.0 | 98.6 |
| IV 600 | 86.5 | 94.3 | 94.7 | 95.6 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 98.2 | 98.8 |
| IV 500 | 86.8 | 95.1 | 95.5 | 96.4 | 96.9 | 96.9 | 97.5 | 97.5 | 97.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.9 | 99.6 |
| IV 400 | 86.8 | 95.2 | 95.7 | 96.6 | 97.1 | 97.1 | 97.7 | 97.7 | 97.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 99.1 | 99.8 |
| IV 300 | 86.8 | 95.2 | 95.7 | 96.6 | 97.1 | 97.1 | 97.7 | 97.7 | 97.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.2 | 99.9 |
| IV 200 | 86.8 | 95.2 | 95.7 | 96.6 | 97.1 | 97.1 | 97.7 | 97.7 | 97.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.4 | 100.0 |
| IV 100 | 86.8 | 95.2 | 95.7 | 96.6 | 97.1 | 97.1 | 97.7 | 97.7 | 97.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.4 | 100.0 |
| IV 0 | 86.8 | 95.2 | 95.7 | 96.6 | 97.1 | 97.1 | 97.7 | 97.7 | 97.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 50.5 | 53.8 | 54.7 | 54.8 | 55.2 | 55.2 | 56.1 | 56.3 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 57.3 | 57.3 | 58.6 |
| ≥ 20000 | 60.4 | 64.0 | 64.9 | 65.1 | 65.4 | 65.4 | 66.3 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 67.5 | 67.5 | 68.8 |
| ≥ 18000 | 60.4 | 64.2 | 65.2 | 65.3 | 65.6 | 65.6 | 66.6 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.7 | 67.7 | 69.0 |
| ≥ 16000 | 60.8 | 64.5 | 65.5 | 65.6 | 65.9 | 65.9 | 66.9 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 68.1 | 68.1 | 69.4 |
| ≥ 14000 | 61.7 | 65.6 | 66.6 | 66.7 | 67.0 | 67.0 | 68.0 | 68.2 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 69.1 | 69.1 | 70.4 |
| ≥ 12000 | 62.6 | 66.6 | 67.5 | 67.6 | 68.0 | 68.0 | 68.9 | 69.1 | 69.1 | 69.4 | 69.4 | 69.4 | 69.4 | 70.1 | 70.1 | 71.4 |
| ≥ 10000 | 65.4 | 69.4 | 70.3 | 70.4 | 70.8 | 70.8 | 71.7 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.2 | 72.9 | 72.9 | 74.2 |
| ≥ 9000 | 66.8 | 71.5 | 72.5 | 72.7 | 73.0 | 73.0 | 74.0 | 74.2 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 75.2 | 75.2 | 76.5 |
| ≥ 8000 | 68.7 | 73.8 | 74.7 | 74.9 | 75.3 | 75.3 | 76.2 | 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 77.4 | 77.4 | 78.7 |
| ≥ 7000 | 69.1 | 74.2 | 75.2 | 75.4 | 75.7 | 75.7 | 76.7 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.8 | 77.8 | 79.1 |
| ≥ 6000 | 70.1 | 75.3 | 76.2 | 76.5 | 76.8 | 76.8 | 77.7 | 78.0 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.9 | 78.9 | 80.2 |
| ≥ 5000 | 72.3 | 78.2 | 79.1 | 79.4 | 79.7 | 79.7 | 80.6 | 80.9 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.8 | 81.8 | 83.1 |
| ≥ 4500 | 74.5 | 80.8 | 81.7 | 81.9 | 82.3 | 82.3 | 83.2 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 | 84.4 | 84.4 | 85.7 |
| ≥ 4000 | 76.7 | 83.3 | 84.3 | 84.5 | 84.8 | 84.8 | 85.8 | 86.0 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 87.0 | 87.0 | 88.3 |
| ≥ 3500 | 78.7 | 86.2 | 87.2 | 87.5 | 87.8 | 87.8 | 88.8 | 89.0 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 90.0 | 90.0 | 91.3 |
| ≥ 3000 | 79.4 | 87.1 | 88.1 | 88.4 | 88.7 | 88.7 | 89.7 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.9 | 90.9 | 92.2 |
| ≥ 2500 | 80.1 | 88.0 | 88.9 | 89.2 | 89.6 | 89.6 | 90.5 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.7 | 91.7 | 93.0 |
| ≥ 2000 | 81.1 | 90.1 | 91.1 | 91.4 | 91.7 | 91.7 | 92.7 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.9 | 93.9 | 95.2 |
| ≥ 1800 | 81.2 | 90.3 | 91.3 | 91.6 | 92.2 | 92.2 | 93.1 | 93.3 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 94.2 | 94.2 | 95.6 |
| ≥ 1500 | 81.5 | 91.7 | 92.7 | 93.2 | 93.5 | 93.5 | 94.5 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 95.7 | 95.7 | 97.0 |
| ≥ 1200 | 81.5 | 91.7 | 92.7 | 93.2 | 93.7 | 93.7 | 94.6 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.8 | 95.8 | 97.1 |
| ≥ 1000 | 81.5 | 91.8 | 92.8 | 93.3 | 93.8 | 93.8 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.9 | 95.9 | 97.2 |
| ≥ 900 | 81.5 | 92.2 | 93.1 | 93.7 | 94.1 | 94.1 | 95.1 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 96.2 | 96.2 | 97.5 |
| ≥ 800 | 81.6 | 92.7 | 93.7 | 94.2 | 94.6 | 94.6 | 95.6 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 98.1 |
| ≥ 700 | 81.6 | 92.7 | 93.7 | 94.2 | 94.6 | 94.6 | 95.6 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 98.1 |
| ≥ 600 | 81.6 | 93.1 | 94.1 | 94.6 | 95.1 | 95.1 | 96.1 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 97.3 | 97.3 | 98.6 |
| ≥ 500 | 81.6 | 93.1 | 94.1 | 94.6 | 95.1 | 95.1 | 96.1 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 97.3 | 97.3 | 98.6 |
| ≥ 400 | 81.9 | 93.4 | 94.4 | 94.9 | 95.4 | 95.4 | 96.5 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.8 | 97.8 | 99.1 |
| ≥ 300 | 82.0 | 94.0 | 94.9 | 95.5 | 95.9 | 95.9 | 97.0 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 98.3 | 98.3 | 99.6 |
| ≥ 200 | 82.0 | 94.1 | 95.1 | 95.6 | 96.0 | 96.0 | 97.1 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 98.7 | 98.7 | 100.0 |
| ≥ 100 | 82.0 | 94.1 | 95.1 | 95.6 | 96.0 | 96.0 | 97.1 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 98.7 | 98.7 | 100.0 |
| ≥ 0 | 82.0 | 94.1 | 95.1 | 95.6 | 96.0 | 96.0 | 97.1 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 98.7 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-868

KSC SHUTTLE APT FL

09-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 43.2 | 46.6 | 47.1 | 47.4 | 48.1 | 48.1 | 48.4 | 48.7 | 48.7 | 49.2 | 49.5 | 49.5 | 50.5 | 50.5 | 51.2 | 52.0 |
| ≥ 20000 | 52.2 | 56.8 | 57.3 | 57.7 | 58.5 | 58.5 | 58.9 | 59.2 | 59.2 | 59.8 | 60.0 | 60.0 | 61.2 | 61.2 | 61.8 | 62.7 |
| IV 18000 | 52.4 | 57.1 | 57.6 | 58.1 | 58.8 | 58.8 | 59.2 | 59.6 | 59.6 | 60.1 | 60.3 | 60.3 | 61.5 | 61.5 | 62.2 | 63.0 |
| IV 16000 | 52.9 | 57.6 | 58.2 | 58.6 | 59.4 | 59.4 | 59.8 | 60.1 | 60.1 | 60.6 | 60.9 | 60.9 | 62.0 | 62.0 | 62.7 | 63.5 |
| IV 14000 | 54.2 | 59.2 | 59.8 | 60.2 | 61.0 | 61.0 | 61.4 | 61.7 | 61.7 | 62.4 | 62.6 | 62.6 | 63.8 | 63.8 | 64.4 | 65.3 |
| IV 12000 | 55.6 | 60.9 | 61.4 | 61.8 | 62.6 | 62.6 | 63.0 | 63.3 | 63.3 | 64.0 | 64.2 | 64.2 | 65.4 | 65.4 | 66.0 | 66.9 |
| IV 10000 | 57.1 | 63.4 | 64.0 | 64.4 | 65.2 | 65.2 | 65.6 | 65.9 | 65.9 | 66.6 | 66.8 | 66.8 | 68.0 | 68.0 | 68.6 | 69.5 |
| IV 9000 | 58.9 | 65.6 | 66.1 | 66.7 | 67.4 | 67.4 | 67.8 | 68.2 | 68.2 | 68.9 | 69.1 | 69.1 | 70.3 | 70.3 | 71.0 | 71.8 |
| IV 8000 | 60.3 | 67.4 | 68.0 | 68.6 | 69.4 | 69.4 | 69.8 | 70.1 | 70.1 | 70.9 | 71.1 | 71.1 | 72.3 | 72.3 | 72.9 | 73.8 |
| IV 7000 | 61.6 | 68.7 | 69.2 | 69.9 | 70.6 | 70.6 | 71.1 | 71.4 | 71.4 | 72.2 | 72.4 | 72.4 | 73.5 | 73.5 | 74.2 | 75.1 |
| IV 6000 | 62.7 | 70.9 | 71.1 | 71.7 | 72.5 | 72.5 | 72.9 | 73.2 | 73.2 | 74.0 | 74.2 | 74.2 | 75.4 | 75.4 | 76.0 | 76.9 |
| IV 5000 | 64.6 | 73.1 | 73.7 | 74.3 | 75.1 | 75.1 | 75.5 | 75.8 | 75.8 | 76.6 | 76.8 | 76.8 | 78.0 | 78.0 | 78.6 | 79.5 |
| IV 4500 | 65.8 | 74.5 | 75.2 | 76.0 | 76.8 | 76.8 | 77.2 | 77.5 | 77.5 | 78.3 | 78.5 | 78.5 | 79.7 | 79.7 | 80.3 | 81.2 |
| IV 4000 | 68.4 | 77.7 | 78.4 | 79.2 | 80.0 | 80.0 | 80.4 | 80.8 | 80.8 | 81.5 | 81.7 | 81.7 | 82.9 | 82.9 | 83.5 | 84.4 |
| IV 3500 | 71.1 | 80.9 | 81.5 | 82.4 | 83.1 | 83.1 | 83.5 | 83.9 | 83.9 | 84.7 | 84.9 | 84.9 | 86.1 | 86.1 | 86.8 | 87.6 |
| IV 3000 | 72.4 | 82.6 | 83.3 | 84.2 | 84.9 | 84.9 | 85.4 | 85.7 | 85.7 | 86.6 | 86.8 | 86.8 | 88.0 | 88.0 | 88.6 | 89.5 |
| IV 2500 | 73.1 | 83.7 | 84.4 | 85.3 | 86.0 | 86.0 | 86.5 | 86.8 | 86.8 | 87.6 | 87.8 | 87.8 | 89.0 | 89.0 | 89.7 | 90.5 |
| IV 2000 | 73.5 | 85.1 | 85.9 | 86.8 | 87.5 | 87.5 | 88.1 | 88.4 | 88.4 | 89.2 | 89.5 | 89.5 | 90.6 | 90.6 | 91.3 | 92.2 |
| IV 1800 | 73.5 | 85.7 | 86.6 | 87.4 | 88.2 | 88.2 | 88.7 | 89.0 | 89.0 | 89.9 | 90.1 | 90.1 | 91.2 | 91.2 | 91.9 | 92.8 |
| IV 1500 | 73.8 | 85.9 | 86.8 | 87.6 | 88.4 | 88.4 | 88.9 | 89.2 | 89.2 | 90.2 | 90.4 | 90.4 | 91.6 | 91.6 | 92.3 | 93.1 |
| IV 1200 | 74.0 | 86.6 | 87.6 | 88.5 | 89.6 | 89.6 | 90.1 | 90.4 | 90.4 | 91.4 | 91.6 | 91.6 | 92.9 | 92.9 | 93.5 | 94.4 |
| IV 1000 | 74.0 | 87.3 | 88.3 | 89.1 | 90.3 | 90.3 | 90.9 | 91.2 | 91.2 | 92.3 | 92.5 | 92.5 | 93.8 | 93.8 | 94.4 | 95.3 |
| IV 900 | 74.0 | 87.4 | 88.4 | 89.2 | 90.4 | 90.4 | 91.0 | 91.3 | 91.3 | 92.4 | 92.6 | 92.6 | 93.9 | 93.9 | 94.5 | 95.4 |
| IV 800 | 74.4 | 88.1 | 89.1 | 90.0 | 91.2 | 91.2 | 91.7 | 92.0 | 92.0 | 93.1 | 93.7 | 93.7 | 94.9 | 94.9 | 95.6 | 96.5 |
| IV 700 | 74.6 | 88.5 | 89.6 | 90.5 | 91.7 | 91.7 | 92.3 | 92.6 | 92.6 | 93.7 | 94.2 | 94.2 | 95.5 | 95.5 | 96.1 | 97.0 |
| IV 600 | 74.7 | 88.7 | 89.8 | 90.9 | 92.2 | 92.2 | 92.9 | 93.2 | 93.2 | 94.3 | 94.8 | 94.8 | 96.1 | 96.1 | 96.8 | 97.6 |
| IV 500 | 74.7 | 88.9 | 90.0 | 91.3 | 92.8 | 92.8 | 93.7 | 94.0 | 94.0 | 95.1 | 95.6 | 95.6 | 96.9 | 96.9 | 97.5 | 98.4 |
| IV 400 | 74.7 | 89.1 | 90.3 | 91.8 | 93.7 | 93.7 | 94.6 | 94.9 | 94.9 | 96.0 | 96.7 | 96.7 | 98.0 | 98.0 | 98.6 | 99.5 |
| IV 300 | 74.7 | 89.4 | 90.5 | 92.0 | 93.9 | 93.9 | 94.8 | 95.2 | 95.2 | 96.2 | 96.9 | 96.9 | 98.2 | 98.2 | 98.8 | 99.8 |
| IV 200 | 74.7 | 89.4 | 90.5 | 92.0 | 93.9 | 93.9 | 94.8 | 95.2 | 95.2 | 96.2 | 96.9 | 96.9 | 98.2 | 98.2 | 98.8 | 99.8 |
| IV 100 | 74.7 | 89.4 | 90.5 | 92.0 | 93.9 | 93.9 | 94.8 | 95.2 | 95.2 | 96.2 | 96.9 | 96.9 | 98.2 | 98.2 | 98.8 | 100.0 |
| IV 0 | 74.7 | 89.4 | 90.5 | 92.0 | 93.9 | 93.9 | 94.8 | 95.2 | 95.2 | 96.2 | 96.9 | 96.9 | 98.2 | 98.2 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868 KSC SHUTTLE APT FL

69-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING | 49.7 | 51.1 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.9 | 52.0 |
| ≥ 20000 | 58.1 | 60.0 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.9 | 61.0 |
| ≥ 18000 | 58.3 | 60.2 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 61.1 | 61.1 | 61.2 |
| ≥ 16000 | 59.2 | 61.2 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 62.0 | 62.0 | 62.2 |
| ≥ 14000 | 61.4 | 63.3 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.2 | 64.2 | 64.3 |
| ≥ 12000 | 63.1 | 65.2 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 66.0 | 66.0 | 66.1 |
| ≥ 10000 | 65.7 | 69.1 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 70.1 | 70.1 | 70.2 |
| ≥ 9000 | 66.9 | 70.8 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.8 | 71.8 | 71.9 |
| ≥ 8000 | 69.0 | 73.7 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5 | 74.7 | 74.7 | 74.8 |
| ≥ 7000 | 70.1 | 74.8 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.9 | 75.9 | 76.0 |
| ≥ 6000 | 71.5 | 76.5 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.5 | 77.5 | 77.6 |
| ≥ 5000 | 73.3 | 78.5 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.4 | 79.4 | 79.4 | 79.6 | 79.6 | 79.7 |
| ≥ 4500 | 74.0 | 79.6 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.8 |
| ≥ 4000 | 76.8 | 82.6 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.7 | 83.7 | 83.8 |
| ≥ 3500 | 78.8 | 84.8 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.9 | 85.9 | 86.0 |
| ≥ 3000 | 81.4 | 87.5 | 88.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6 | 88.8 | 88.8 | 88.9 |
| ≥ 2500 | 82.0 | 88.4 | 88.8 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.8 | 89.8 | 89.9 |
| ≥ 2000 | 83.5 | 90.9 | 91.4 | 91.9 | 91.9 | 91.9 | 91.9 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.7 |
| ≥ 1800 | 83.7 | 91.5 | 91.9 | 92.6 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.2 | 93.2 | 93.3 |
| ≥ 1500 | 83.9 | 91.9 | 92.6 | 93.2 | 93.2 | 93.2 | 93.2 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 94.0 |
| ≥ 1200 | 84.3 | 92.9 | 93.5 | 94.3 | 94.3 | 94.3 | 94.3 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 95.2 | 95.2 | 95.3 |
| ≥ 1000 | 84.4 | 93.1 | 93.8 | 94.5 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.5 |
| ≥ 900 | 84.7 | 94.0 | 94.6 | 95.4 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.2 | 96.2 | 96.3 |
| ≥ 800 | 84.8 | 94.4 | 95.1 | 95.9 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 97.0 | 97.0 | 97.1 |
| ≥ 700 | 85.1 | 94.8 | 95.5 | 96.3 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 97.2 | 97.4 | 97.4 | 97.6 | 97.6 | 97.7 |
| ≥ 600 | 85.1 | 95.1 | 95.7 | 96.7 | 96.9 | 96.9 | 97.1 | 97.3 | 97.3 | 97.7 | 98.0 | 98.0 | 98.2 | 98.2 | 98.3 |
| ≥ 500 | 85.1 | 95.1 | 96.1 | 97.1 | 97.4 | 97.4 | 97.6 | 97.8 | 97.8 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 |
| ≥ 400 | 85.1 | 95.2 | 96.2 | 97.4 | 97.7 | 97.8 | 98.1 | 98.4 | 98.4 | 98.8 | 99.0 | 99.0 | 99.2 | 99.2 | 99.4 |
| ≥ 300 | 85.1 | 95.3 | 96.5 | 97.6 | 98.0 | 98.1 | 98.4 | 98.7 | 98.7 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 |
| ≥ 200 | 85.1 | 95.3 | 96.5 | 97.6 | 98.0 | 98.1 | 98.4 | 98.7 | 98.7 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 |
| ≥ 100 | 85.1 | 95.3 | 96.5 | 97.6 | 98.0 | 98.1 | 98.4 | 98.7 | 98.7 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 0 | 85.1 | 95.3 | 96.5 | 97.6 | 98.0 | 98.1 | 98.4 | 98.7 | 98.7 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

1286P

KSC SHUTTLE APT FL

69-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING ≥ 20000 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 18000 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 16000 | 64.3 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| 14000 | 66.7 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| 12000 | 69.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 10000 | 73.1 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 9000 | 74.0 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 8000 | 76.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 7000 | 77.8 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 6000 | 79.5 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 5000 | 81.2 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 4500 | 82.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 4000 | 84.6 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 3500 | 86.1 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3000 | 88.1 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 2500 | 88.8 | 93.2 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 2000 | 90.2 | 95.6 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 1800 | 90.3 | 95.7 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 1500 | 90.4 | 96.1 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 1200 | 90.8 | 96.9 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 1000 | 90.9 | 97.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 900 | 91.1 | 97.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 800 | 91.1 | 97.5 | 98.5 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 700 | 91.1 | 97.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 600 | 91.2 | 98.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 500 | 91.2 | 98.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 400 | 91.2 | 98.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 300 | 91.2 | 98.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 200 | 91.2 | 98.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 100 | 91.2 | 98.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 91.2 | 98.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 999

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO. CEILING ≥ 20000 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| ≥ 18000 | 66.0 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥ 16000 | 67.0 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| ≥ 14000 | 67.7 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| ≥ 12000 | 69.5 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 10000 | 71.6 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 8000 | 75.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| ≥ 6000 | 77.0 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| ≥ 4000 | 79.1 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥ 2000 | 79.7 | 82.3 | 82.4 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 1000 | 82.2 | 84.7 | 84.8 | 84.9 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 500 | 83.2 | 86.3 | 86.5 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 400 | 84.5 | 88.1 | 88.2 | 88.5 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 300 | 86.6 | 90.2 | 90.3 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 250 | 88.5 | 92.5 | 92.6 | 93.0 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 200 | 89.7 | 94.2 | 94.3 | 94.8 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 150 | 90.2 | 94.9 | 95.1 | 95.6 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 100 | 90.8 | 96.5 | 96.7 | 97.2 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 75 | 90.9 | 96.6 | 96.8 | 97.3 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 50 | 91.1 | 97.0 | 97.2 | 97.7 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 25 | 91.2 | 97.4 | 97.6 | 98.2 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 10 | 91.2 | 97.6 | 97.8 | 98.4 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 5 | 91.2 | 97.7 | 98.0 | 98.5 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2 | 91.2 | 98.0 | 98.3 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1 | 91.2 | 98.2 | 98.5 | 99.0 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ .5 | 91.2 | 98.2 | 98.6 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ .25 | 91.2 | 98.2 | 98.7 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ .15 | 91.2 | 98.2 | 98.7 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ .1 | 91.2 | 98.2 | 98.7 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ .05 | 91.2 | 98.2 | 98.7 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 91.2 | 98.2 | 98.7 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

69-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|--------|-------|--------|--------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.75 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0 |
| NO CEILING | 54.3 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 |
| ≥ 20000 | 64.9 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 |
| ≥ 18000 | 65.4 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.2 |
| ≥ 16000 | 66.3 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.3 |
| ≥ 14000 | 67.9 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.7 |
| ≥ 12000 | 69.7 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.9 |
| ≥ 10000 | 72.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.9 |
| ≥ 9000 | 74.2 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.5 | 77.6 |
| ≥ 8000 | 75.6 | 78.9 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.5 | 79.5 | 79.6 |
| ≥ 7000 | 76.4 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.3 | 80.3 | 80.4 |
| ≥ 6000 | 79.0 | 82.8 | 82.9 | 82.9 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.5 |
| ≥ 5000 | 80.7 | 85.1 | 85.2 | 85.2 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.8 | 85.8 | 85.9 |
| ≥ 4500 | 82.3 | 87.1 | 87.2 | 87.2 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.9 | 87.9 | 88.0 |
| ≥ 4000 | 84.2 | 89.7 | 89.8 | 89.8 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.5 | 90.5 | 90.6 |
| ≥ 3500 | 85.8 | 91.8 | 91.9 | 92.0 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.9 | 92.9 | 93.0 |
| ≥ 3000 | 87.1 | 93.3 | 93.5 | 93.6 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.5 | 94.5 | 94.6 |
| ≥ 2500 | 87.6 | 94.2 | 94.5 | 94.6 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.5 | 95.5 | 95.6 |
| ≥ 2000 | 88.5 | 96.3 | 96.7 | 96.8 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.7 |
| ≥ 1800 | 88.5 | 96.3 | 96.7 | 96.8 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.7 |
| ≥ 1500 | 88.9 | 96.8 | 97.1 | 97.2 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 98.1 | 98.1 | 98.2 |
| ≥ 1200 | 88.9 | 96.9 | 97.2 | 97.3 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 |
| ≥ 1000 | 88.9 | 97.1 | 97.4 | 97.5 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 |
| ≥ 900 | 88.9 | 97.1 | 97.4 | 97.5 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 |
| ≥ 800 | 88.9 | 97.4 | 97.7 | 97.8 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 |
| ≥ 700 | 88.9 | 97.5 | 98.1 | 98.2 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.2 | 99.2 | 99.4 |
| ≥ 600 | 88.9 | 97.7 | 98.2 | 98.4 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 |
| ≥ 500 | 88.9 | 97.8 | 98.3 | 98.6 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 |
| ≥ 400 | 88.9 | 97.8 | 98.3 | 98.6 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 |
| ≥ 300 | 88.9 | 97.8 | 98.3 | 98.7 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 |
| ≥ 200 | 88.9 | 97.8 | 98.3 | 98.7 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 |
| ≥ 100 | 88.9 | 97.8 | 98.3 | 98.7 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 |
| ≥ 0 | 88.9 | 97.8 | 98.3 | 98.7 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868

KSC SHUTTLE APT FL

09-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|-------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ 0 |
| NO. CEILING | 56.6 | 58.3 | 58.9 | 59.0 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.8 | 59.8 | 60.2 |
| ≥ 20000 | 64.8 | 66.8 | 67.4 | 67.5 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.4 | 68.4 | 68.7 |
| ≥ 18000 | 65.1 | 67.2 | 67.7 | 67.8 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.7 | 68.7 | 69.0 |
| ≥ 15000 | 65.4 | 67.5 | 68.0 | 68.1 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 | 69.3 |
| ≥ 14000 | 66.8 | 68.9 | 69.4 | 69.5 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.4 | 70.4 | 70.7 |
| ≥ 12000 | 69.2 | 71.6 | 72.1 | 72.2 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.2 | 73.2 | 73.5 |
| ≥ 10000 | 72.2 | 75.2 | 75.7 | 75.8 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.8 | 76.8 | 77.1 |
| ≥ 9000 | 73.9 | 77.2 | 77.8 | 77.9 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.9 | 78.9 | 79.3 |
| ≥ 8000 | 75.1 | 79.2 | 79.7 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 81.0 | 81.0 | 81.3 |
| ≥ 7000 | 75.8 | 79.9 | 80.5 | 80.7 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 82.1 |
| ≥ 6000 | 77.1 | 81.5 | 82.1 | 82.3 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.7 |
| ≥ 5000 | 78.7 | 83.5 | 84.0 | 84.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.3 | 85.3 | 85.6 |
| ≥ 4500 | 81.0 | 86.2 | 86.7 | 86.9 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0 | 88.3 |
| ≥ 4000 | 82.4 | 88.2 | 88.9 | 89.1 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.2 | 90.2 | 90.5 |
| ≥ 3500 | 84.0 | 90.6 | 91.3 | 91.5 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.5 | 92.5 | 92.9 |
| ≥ 3000 | 85.9 | 92.5 | 93.2 | 93.4 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.5 | 94.5 | 94.8 |
| ≥ 2500 | 86.2 | 93.4 | 94.2 | 94.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.7 | 95.7 | 96.0 |
| ≥ 2000 | 86.5 | 94.2 | 95.0 | 95.6 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.7 | 96.7 | 97.0 |
| ≥ 1800 | 86.6 | 94.3 | 95.1 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.8 | 96.8 | 97.1 |
| ≥ 1500 | 86.6 | 94.5 | 95.4 | 96.0 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.5 |
| ≥ 1200 | 86.8 | 95.1 | 96.0 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 98.2 |
| ≥ 1000 | 86.9 | 95.4 | 96.2 | 96.9 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.4 |
| ≥ 900 | 86.9 | 95.4 | 96.2 | 96.9 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.4 |
| ≥ 800 | 86.9 | 95.4 | 96.2 | 96.9 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.4 |
| ≥ 700 | 86.9 | 95.7 | 96.5 | 97.2 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.7 |
| ≥ 600 | 87.3 | 96.2 | 97.2 | 97.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.4 |
| ≥ 500 | 87.3 | 96.5 | 97.5 | 98.2 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.9 |
| ≥ 400 | 87.3 | 96.5 | 97.5 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 100.0 |
| ≥ 300 | 87.3 | 96.5 | 97.5 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 100.0 |
| ≥ 200 | 87.3 | 96.5 | 97.5 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 100.0 |
| ≥ 100 | 87.3 | 96.5 | 97.5 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 100.0 |
| ≥ 0 | 87.3 | 96.5 | 97.5 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12808

KSC SHUTTLE APT FL

09-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 51.4 | 53.1 | 53.4 | 53.6 | 53.8 | 53.8 | 54.0 | 54.1 | 54.1 | 54.3 | 54.4 | 54.4 | 54.7 | 54.7 | 54.9 | 55.2 |
| ≥ 20000 | 61.6 | 63.8 | 64.1 | 64.3 | 64.6 | 64.6 | 64.8 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.5 | 65.5 | 65.6 | 66.0 |
| ≥ 18000 | 62.0 | 64.2 | 64.5 | 64.7 | 64.9 | 64.9 | 65.2 | 65.3 | 65.3 | 65.5 | 65.5 | 65.5 | 65.9 | 65.9 | 66.0 | 66.4 |
| ≥ 16000 | 62.6 | 64.8 | 65.1 | 65.3 | 65.5 | 65.5 | 65.8 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.5 | 66.5 | 66.6 | 67.0 |
| ≥ 14000 | 64.1 | 66.3 | 66.7 | 66.8 | 67.1 | 67.1 | 67.3 | 67.4 | 67.4 | 67.6 | 67.7 | 67.7 | 68.0 | 68.0 | 68.2 | 68.5 |
| ≥ 12000 | 65.9 | 68.3 | 68.7 | 68.8 | 69.1 | 69.1 | 69.4 | 69.5 | 69.5 | 69.7 | 69.7 | 69.7 | 70.1 | 70.1 | 70.2 | 70.6 |
| ≥ 10000 | 68.8 | 71.8 | 72.1 | 72.3 | 72.5 | 72.5 | 72.8 | 72.9 | 72.9 | 73.2 | 73.2 | 73.2 | 73.5 | 73.5 | 73.7 | 74.1 |
| ≥ 9000 | 70.3 | 73.8 | 74.2 | 74.4 | 74.7 | 74.7 | 74.9 | 75.0 | 75.0 | 75.3 | 75.4 | 75.4 | 75.7 | 75.7 | 75.9 | 76.2 |
| ≥ 8000 | 72.1 | 76.2 | 76.6 | 76.8 | 77.1 | 77.1 | 77.4 | 77.5 | 77.5 | 77.8 | 77.8 | 77.8 | 78.2 | 78.2 | 78.3 | 78.7 |
| ≥ 7000 | 73.0 | 77.1 | 77.5 | 77.7 | 78.0 | 78.0 | 78.3 | 78.4 | 78.4 | 78.7 | 78.7 | 78.7 | 79.1 | 79.1 | 79.2 | 79.6 |
| ≥ 6000 | 74.6 | 78.9 | 79.3 | 79.6 | 79.9 | 79.9 | 80.2 | 80.3 | 80.3 | 80.5 | 80.6 | 80.6 | 80.9 | 80.9 | 81.1 | 81.5 |
| ≥ 5000 | 76.3 | 81.0 | 81.4 | 81.7 | 82.0 | 82.0 | 82.3 | 82.4 | 82.4 | 82.6 | 82.7 | 82.7 | 83.0 | 83.0 | 83.2 | 83.6 |
| ≥ 4500 | 77.8 | 82.9 | 83.3 | 83.6 | 84.0 | 84.0 | 84.2 | 84.3 | 84.3 | 84.6 | 84.7 | 84.7 | 85.0 | 85.0 | 85.2 | 85.5 |
| ≥ 4000 | 79.8 | 85.5 | 85.9 | 86.2 | 86.5 | 86.5 | 86.8 | 86.9 | 86.9 | 87.2 | 87.2 | 87.2 | 87.6 | 87.6 | 87.8 | 88.1 |
| ≥ 3500 | 81.8 | 87.9 | 88.3 | 88.7 | 89.0 | 89.0 | 89.3 | 89.4 | 89.4 | 89.7 | 89.7 | 89.7 | 90.1 | 90.1 | 90.2 | 90.6 |
| ≥ 3000 | 83.3 | 89.7 | 90.2 | 90.6 | 90.9 | 90.9 | 91.2 | 91.3 | 91.3 | 91.6 | 91.6 | 91.6 | 92.0 | 92.0 | 92.1 | 92.5 |
| ≥ 2500 | 84.0 | 90.7 | 91.2 | 91.6 | 92.0 | 92.0 | 92.2 | 92.3 | 92.3 | 92.6 | 92.7 | 92.7 | 93.0 | 93.0 | 93.2 | 93.5 |
| ≥ 2000 | 84.9 | 92.6 | 93.1 | 93.6 | 94.0 | 94.0 | 94.3 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 95.1 | 95.1 | 95.2 | 95.6 |
| ≥ 1800 | 85.0 | 92.8 | 93.4 | 93.9 | 94.3 | 94.3 | 94.6 | 94.7 | 94.7 | 95.0 | 95.0 | 95.0 | 95.4 | 95.4 | 95.5 | 95.9 |
| ≥ 1500 | 85.2 | 93.4 | 94.0 | 94.6 | 95.0 | 95.0 | 95.3 | 95.4 | 95.4 | 95.7 | 95.7 | 95.7 | 96.1 | 96.1 | 96.2 | 96.6 |
| ≥ 1200 | 85.4 | 93.9 | 94.5 | 95.1 | 95.6 | 95.6 | 95.9 | 96.0 | 96.0 | 96.3 | 96.4 | 96.4 | 96.7 | 96.7 | 96.9 | 97.3 |
| ≥ 1000 | 85.5 | 94.1 | 94.8 | 95.4 | 95.9 | 95.9 | 96.2 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 97.0 | 97.0 | 97.2 | 97.6 |
| ≥ 900 | 85.6 | 94.4 | 95.0 | 95.6 | 96.1 | 96.1 | 96.4 | 96.5 | 96.5 | 96.8 | 96.9 | 96.9 | 97.3 | 97.3 | 97.4 | 97.8 |
| ≥ 800 | 85.7 | 94.6 | 95.3 | 95.9 | 96.4 | 96.4 | 96.8 | 96.9 | 96.9 | 97.2 | 97.3 | 97.3 | 97.7 | 97.7 | 97.8 | 98.2 |
| ≥ 700 | 85.7 | 94.9 | 95.6 | 96.2 | 96.8 | 96.8 | 97.1 | 97.2 | 97.2 | 97.5 | 97.6 | 97.6 | 98.0 | 98.0 | 98.2 | 98.5 |
| ≥ 600 | 85.8 | 95.2 | 95.9 | 96.6 | 97.1 | 97.1 | 97.5 | 97.6 | 97.6 | 98.0 | 98.1 | 98.1 | 98.5 | 98.5 | 98.6 | 99.0 |
| ≥ 500 | 85.8 | 95.3 | 96.2 | 96.9 | 97.4 | 97.4 | 97.8 | 97.9 | 97.9 | 98.3 | 98.4 | 98.4 | 98.8 | 98.8 | 99.0 | 99.4 |
| ≥ 400 | 85.9 | 95.4 | 96.3 | 97.1 | 97.7 | 97.7 | 98.1 | 98.3 | 98.3 | 98.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.3 | 99.7 |
| ≥ 300 | 85.9 | 95.5 | 96.4 | 97.2 | 97.8 | 97.8 | 98.3 | 98.4 | 98.4 | 98.8 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.9 |
| ≥ 200 | 85.9 | 95.6 | 96.5 | 97.3 | 97.8 | 97.8 | 98.3 | 98.4 | 98.4 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 100.0 |
| ≥ 100 | 85.9 | 95.6 | 96.5 | 97.3 | 97.8 | 97.8 | 98.3 | 98.4 | 98.4 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 100.0 |
| ≥ 0 | 85.9 | 95.6 | 96.5 | 97.3 | 97.8 | 97.8 | 98.3 | 98.4 | 98.4 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12868 KSC SHUTTLE APT FL

09-79

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 20 | 26 | 27 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| NO CEILING | 52.5 | 55.3 | 55.5 | 55.7 | 55.8 | 55.8 | 55.9 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.2 | 56.2 | 56.3 | 56.4 |
| ≥ 20000 | 69.1 | 72.9 | 73.3 | 73.5 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 74.1 | 74.1 | 74.2 | 74.2 |
| ≥ 18000 | 69.4 | 73.3 | 73.6 | 73.8 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.6 |
| ≥ 16000 | 70.0 | 74.0 | 74.3 | 74.6 | 74.7 | 74.7 | 74.8 | 74.9 | 74.9 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 | 75.2 | 75.3 |
| ≥ 14000 | 71.5 | 75.6 | 76.0 | 76.2 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.9 | 77.0 |
| ≥ 12000 | 73.6 | 78.1 | 78.5 | 78.7 | 78.9 | 78.9 | 79.0 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.4 | 79.5 |
| ≥ 10000 | 76.2 | 81.3 | 81.7 | 82.0 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.7 | 82.8 |
| ≥ 9000 | 77.7 | 83.3 | 83.7 | 84.0 | 84.1 | 84.1 | 84.2 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.6 | 84.6 | 84.7 | 84.8 |
| ≥ 8000 | 78.9 | 84.8 | 85.3 | 85.5 | 85.7 | 85.7 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.2 | 86.2 | 86.3 | 86.4 |
| ≥ 7000 | 79.6 | 85.7 | 86.1 | 86.4 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.9 | 87.0 | 87.0 | 87.1 | 87.2 |
| ≥ 6000 | 80.5 | 86.8 | 87.3 | 87.5 | 87.7 | 87.7 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.2 | 88.2 | 88.3 | 88.4 |
| ≥ 5000 | 81.4 | 88.0 | 88.5 | 88.8 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.2 | 89.3 | 89.3 | 89.4 | 89.4 | 89.5 | 89.6 |
| ≥ 4500 | 82.5 | 89.3 | 89.8 | 90.1 | 90.3 | 90.3 | 90.4 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.8 | 90.8 | 90.9 | 91.0 |
| ≥ 4000 | 83.4 | 90.6 | 91.1 | 91.4 | 91.6 | 91.6 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 92.1 | 92.1 | 92.2 | 92.3 |
| ≥ 3500 | 84.5 | 91.9 | 92.4 | 92.7 | 93.0 | 93.0 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.5 | 93.6 |
| ≥ 3000 | 85.3 | 93.0 | 93.5 | 93.9 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.7 | 94.8 |
| ≥ 2500 | 85.9 | 93.8 | 94.4 | 94.8 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.7 | 95.8 |
| ≥ 2000 | 86.7 | 95.2 | 95.9 | 96.3 | 96.6 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.2 | 97.3 |
| ≥ 1800 | 86.9 | 95.5 | 96.2 | 96.6 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 |
| ≥ 1500 | 87.0 | 95.9 | 96.6 | 97.0 | 97.3 | 97.3 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.9 | 97.9 | 98.0 | 98.1 |
| ≥ 1200 | 87.2 | 96.2 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.5 |
| ≥ 1000 | 87.3 | 96.4 | 97.1 | 97.6 | 97.9 | 97.9 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.7 |
| ≥ 900 | 87.4 | 96.6 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.9 |
| ≥ 800 | 87.4 | 96.7 | 97.5 | 97.9 | 98.3 | 98.3 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.1 |
| ≥ 700 | 87.4 | 96.8 | 97.6 | 98.1 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.3 |
| ≥ 600 | 87.5 | 97.0 | 97.8 | 98.3 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 |
| ≥ 500 | 87.5 | 97.0 | 97.9 | 98.4 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 400 | 87.5 | 97.1 | 97.9 | 98.4 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 |
| ≥ 300 | 87.5 | 97.1 | 98.0 | 98.5 | 98.9 | 98.9 | 99.2 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 |
| ≥ 200 | 87.5 | 97.1 | 98.0 | 98.5 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 |
| ≥ 100 | 87.5 | 97.1 | 98.0 | 98.5 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 |
| ≥ 0 | 87.5 | 97.1 | 98.0 | 98.5 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 87607

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12868
STATION

KSC SHUTTLE APT FL

70-79

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JAN | 00-02 | 30.2 | | | 29.8 | | | | | | 17.5 | 22.5 | 4.7 | 924 |
| | 03-05 | 29.1 | | | 29.1 | | | | | | 16.1 | 25.6 | 4.9 | 923 |
| | 06-08 | 15.3 | | | 34.4 | | | | | | 24.8 | 25.4 | 5.8 | 926 |
| | 09-11 | 13.2 | | | 30.5 | | | | | | 25.3 | 31.0 | 6.3 | 930 |
| | 12-14 | 7.3 | | | 33.8 | | | | | | 28.2 | 30.8 | 6.6 | 930 |
| | 15-17 | 7.7 | | | 34.8 | | | | | | 29.8 | 27.6 | 6.5 | 930 |
| | 18-20 | 13.6 | | | 34.3 | | | | | | 23.4 | 28.7 | 6.0 | 929 |
| | 21-23 | 23.8 | | | 31.5 | | | | | | 20.6 | 24.1 | 5.2 | 930 |
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| | | | | | | | | | | | | | | |
| TOTALS | | 17.5 | | | 32.3 | | | | | | 23.2 | 27.0 | 5.8 | 7422 |

SKY COVER

12868
STATION

KSC SHUTTLE Apt FL
STATION NAME

70-79

FEB
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| FEB | 00-02 | 33.6 | | | 26.6 | | | | | | 14.9 | 24.9 | 4.6 | 846 |
| | 03-05 | 31.3 | | | 22.3 | | | | | | 19.4 | 27.0 | 5.1 | 844 |
| | 06-08 | 18.8 | | | 31.0 | | | | | | 21.1 | 29.0 | 5.7 | 844 |
| | 09-11 | 17.2 | | | 29.9 | | | | | | 22.2 | 30.7 | 6.0 | 845 |
| | 12-14 | 13.0 | | | 32.0 | | | | | | 25.4 | 29.6 | 6.2 | 846 |
| | 15-17 | 14.1 | | | 32.6 | | | | | | 24.9 | 28.4 | 6.1 | 846 |
| | 18-20 | 22.1 | | | 27.5 | | | | | | 21.6 | 28.7 | 5.6 | 846 |
| | 21-23 | 34.2 | | | 23.9 | | | | | | 16.0 | 26.0 | 4.8 | 846 |
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| TOTALS | | 23.0 | | | 28.2 | | | | | | 20.7 | 28.0 | 5.5 | 6763 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12868
STATION

KSC SHUTTLE Apt FL

70-79

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|-------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAR | 00-02 | 35.1 | | | 27.2 | | | | | | 17.0 | 20.8 | 4.4 | 930 |
| | 03-05 | 30.1 | | | 32.0 | | | | | | 17.3 | 20.0 | 4.5 | 924 |
| | 06-08 | 15.9 | | | 35.5 | | | | | | 25.7 | 22.9 | 5.7 | 925 |
| | 09-11 | 14.3 | | | 37.4 | | | | | | 26.1 | 22.2 | 5.7 | 930 |
| | 12-14 | 8.5 | | | 43.5 | | | | | | 24.5 | 23.4 | 5.9 | 930 |
| | 15-17 | 12.3 | | | 42.3 | | | | | | 22.1 | 23.4 | 5.6 | 929 |
| | 18-20 | 20.1 | | | 38.1 | | | | | | 18.8 | 23.0 | 5.1 | 925 |
| | 21-23 | 35.4 | | | 29.3 | | | | | | 15.6 | 19.6 | 4.3 | 927 |
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SKY COVER

APR
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| APR | 00-02 | 37.3 | | | 27.9 | | | | | | 17.5 | 17.4 | 4.1 | 899 |
| | 03-05 | 35.7 | | | 32.6 | | | | | | 15.6 | 16.2 | 4.0 | 900 |
| | 06-08 | 19.5 | | | 38.3 | | | | | | 23.2 | 19.0 | 5.1 | 896 |
| | 09-11 | 14.9 | | | 43.2 | | | | | | 23.1 | 18.8 | 5.3 | 900 |
| | 12-14 | 12.1 | | | 44.4 | | | | | | 24.2 | 19.2 | 5.4 | 900 |
| | 15-17 | 15.7 | | | 40.5 | | | | | | 25.6 | 18.2 | 5.3 | 899 |
| | 18-20 | 22.2 | | | 37.8 | | | | | | 22.3 | 17.8 | 4.9 | 898 |
| | 21-23 | 37.6 | | | 31.3 | | | | | | 14.8 | 16.3 | 3.9 | 900 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 24.4 | | | 37.0 | | | | | | 20.8 | 17.9 | 4.8 | 7192 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12868
STATION

KSC SHUTTLE Apt FL

70-79

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAY | 00-02 | 28.9 | | | 34.6 | | | | | | 19.5 | 16.8 | 4.5 | 928 |
| | 03-05 | 28.5 | | | 35.8 | | | | | | 22.2 | 13.5 | 4.4 | 929 |
| | 06-08 | 12.7 | | | 37.0 | | | | | | 29.8 | 20.5 | 5.8 | 928 |
| | 09-11 | 6.5 | | | 41.7 | | | | | | 29.4 | 22.5 | 6.1 | 930 |
| | 12-14 | 5.8 | | | 38.9 | | | | | | 30.5 | 24.7 | 6.4 | 930 |
| | 15-17 | 7.7 | | | 36.2 | | | | | | 29.1 | 26.9 | 6.4 | 930 |
| | 18-20 | 9.6 | | | 33.5 | | | | | | 29.9 | 27.0 | 6.4 | 927 |
| | 21-23 | 23.0 | | | 30.6 | | | | | | 23.2 | 23.2 | 5.3 | 927 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 13.3 | | | 36.1 | | | | | | 26.7 | 21.9 | 5.7 | 7429 |

SKY COVER

12868
STATION

KSC SHUTTLE Apt FL
STATION NAME

69-78

JUN
MONTH

PERIOD

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUN | 00-02 | 18.9 | | | 35.3 | | | | | | 26.1 | 19.7 | 5.4 | 900 |
| | 03-05 | 16.6 | | | 42.6 | | | | | | 24.7 | 16.2 | 5.1 | 900 |
| | 06-08 | 4.9 | | | 41.9 | | | | | | 32.3 | 20.9 | 6.3 | 899 |
| | 09-11 | 1.0 | | | 44.7 | | | | | | 34.6 | 19.8 | 6.4 | 900 |
| | 12-14 | .6 | | | 41.9 | | | | | | 34.2 | 23.3 | 6.7 | 900 |
| | 15-17 | 1.3 | | | 35.3 | | | | | | 33.9 | 29.4 | 7.1 | 900 |
| | 18-20 | 2.4 | | | 26.8 | | | | | | 31.8 | 38.9 | 7.6 | 899 |
| | 21-23 | 9.0 | | | 31.4 | | | | | | 28.5 | 31.1 | 6.6 | 899 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| TOTALS | | 6.8 | | | 37.5 | | | | | | 30.8 | 24.9 | 6.4 | 7197 |

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78

PERIOD

JUL
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00-02 | 18.5 | | | 43.6 | | | | | | 22.8 | 15.7 | 4.9 | 930 |
| | 03-05 | 19.5 | | | 48.2 | | | | | | 22.2 | 10.1 | 4.5 | 929 |
| | 06-08 | 5.7 | | | 41.1 | | | | | | 36.5 | 16.8 | 6.2 | 930 |
| | 09-11 | 2.5 | | | 40.0 | | | | | | 36.8 | 20.7 | 6.6 | 929 |
| | 12-14 | 1.0 | | | 34.2 | | | | | | 40.6 | 24.2 | 7.1 | 930 |
| | 15-17 | 1.2 | | | 32.2 | | | | | | 37.0 | 29.7 | 7.3 | 930 |
| | 18-20 | 1.5 | | | 30.8 | | | | | | 31.2 | 36.6 | 7.4 | 930 |
| | 21-23 | 8.7 | | | 38.4 | | | | | | 28.0 | 24.9 | 6.2 | 930 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 7.3 | | | 38.5 | | | | | | 31.9 | 22.3 | 6.3 | 7438 |

SKY COVER

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| AUG | 00-02 | 15.5 | | | 48.1 | | | | | | 21.7 | 14.6 | 4.9 | 929 |
| | 03-05 | 17.4 | | | 52.0 | | | | | | 20.1 | 10.4 | 4.4 | 930 |
| | 06-08 | 3.4 | | | 51.7 | | | | | | 30.1 | 14.7 | 5.7 | 930 |
| | 09-11 | 1.8 | | | 47.1 | | | | | | 35.4 | 15.7 | 6.2 | 930 |
| | 12-14 | .8 | | | 43.9 | | | | | | 35.4 | 19.9 | 6.5 | 929 |
| | 15-17 | 1.1 | | | 38.6 | | | | | | 34.7 | 25.6 | 6.8 | 930 |
| | 18-20 | 1.8 | | | 36.4 | | | | | | 30.3 | 31.5 | 7.0 | 928 |
| | 21-23 | 11.3 | | | 40.2 | | | | | | 24.1 | 24.4 | 5.8 | 929 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 6.6 | | | 44.8 | | | | | | 29.0 | 19.6 | 5.9 | 7425 |

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

69-78

PERIOD

SEP
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| SEP | 00-02 | 12.8 | | | 47.3 | | | | | | 23.1 | 16.8 | 5.2 | 900 |
| | 03-05 | 13.1 | | | 50.1 | | | | | | 23.0 | 13.8 | 5.0 | 900 |
| | 06-08 | 3.0 | | | 51.3 | | | | | | 30.0 | 15.7 | 5.8 | 900 |
| | 09-11 | .4 | | | 49.7 | | | | | | 33.9 | 16.0 | 6.1 | 900 |
| | 12-14 | .4 | | | 43.6 | | | | | | 38.0 | 18.0 | 6.5 | 900 |
| | 15-17 | 1.9 | | | 38.0 | | | | | | 35.2 | 24.9 | 6.8 | 900 |
| | 18-20 | 4.0 | | | 37.0 | | | | | | 25.9 | 33.1 | 6.8 | 900 |
| | 21-23 | 11.0 | | | 39.5 | | | | | | 23.0 | 26.5 | 5.9 | 899 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 5.8 | | | 44.6 | | | | | | 29.0 | 20.6 | 6.0 | 7199 |

SKY COVER

12568
STATION

KSC SHUTTLE APT FL

69-78

OCT
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| OCT | 00-02 | 18.9 | | | 39.9 | | | | | | 20.6 | 20.5 | 5.1 | 930 |
| | 03-05 | 19.3 | | | 42.3 | | | | | | 18.2 | 20.2 | 4.9 | 929 |
| | 06-08 | 8.0 | | | 40.0 | | | | | | 31.5 | 20.5 | 6.1 | 930 |
| | 09-11 | 6.5 | | | 40.3 | | | | | | 30.1 | 23.1 | 6.2 | 930 |
| | 12-14 | 3.0 | | | 40.6 | | | | | | 33.8 | 22.6 | 6.5 | 929 |
| | 15-17 | 6.1 | | | 36.6 | | | | | | 31.8 | 25.5 | 6.5 | 930 |
| | 18-20 | 12.5 | | | 37.4 | | | | | | 22.5 | 27.6 | 5.9 | 930 |
| | 21-23 | 17.5 | | | 37.6 | | | | | | 21.7 | 23.1 | 5.4 | 930 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 11.5 | | | 39.3 | | | | | | 26.3 | 22.9 | 5.8 | 7438 |

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

59-78

PERIOD

NOV
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| NJW | 00-02 | 25.8 | | | 34.3 | | | | | | 21.0 | 18.9 | 4.6 | 900 |
| | 03-05 | 26.9 | | | 32.7 | | | | | | 19.7 | 20.7 | 4.8 | 895 |
| | 06-08 | 14.6 | | | 40.2 | | | | | | 24.2 | 20.9 | 5.5 | 895 |
| | 09-11 | 14.2 | | | 34.3 | | | | | | 29.2 | 22.2 | 5.9 | 900 |
| | 12-14 | 10.6 | | | 38.6 | | | | | | 30.2 | 20.7 | 5.9 | 900 |
| | 15-17 | 8.9 | | | 37.5 | | | | | | 31.5 | 22.1 | 6.2 | 899 |
| | 18-20 | 15.9 | | | 34.9 | | | | | | 26.9 | 22.3 | 5.7 | 900 |
| | 21-23 | 24.6 | | | 34.0 | | | | | | 21.3 | 20.1 | 5.0 | 900 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 17.7 | | | 35.8 | | | | | | 25.5 | 21.0 | 5.5 | 7189 |

SKY COVER

12868
STATION

KSC SHUTTLE APT FL

69-78

DEC
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| DEC | 00-02 | 27.2 | | | 30.5 | | | | | | 19.0 | 23.2 | 5.0 | 930 |
| | 03-05 | 28.7 | | | 27.1 | | | | | | 20.4 | 23.8 | 5.0 | 930 |
| | 06-08 | 16.6 | | | 32.2 | | | | | | 26.2 | 25.1 | 5.8 | 930 |
| | 09-11 | 15.4 | | | 31.9 | | | | | | 27.2 | 25.5 | 6.0 | 930 |
| | 12-14 | 11.0 | | | 35.5 | | | | | | 27.1 | 26.4 | 6.1 | 929 |
| | 15-17 | 12.4 | | | 35.3 | | | | | | 25.1 | 27.3 | 6.0 | 930 |
| | 18-20 | 21.1 | | | 29.7 | | | | | | 22.1 | 27.0 | 5.6 | 928 |
| | 21-23 | 30.1 | | | 26.8 | | | | | | 19.2 | 23.9 | 4.9 | 925 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 20.3 | | | 31.1 | | | | | | 23.3 | 25.3 | 5.6 | 7432 |

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12868 KSC SHUTTLE APT FL 49-79 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|------------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JAN | ALL | 17.5 | | | 32.3 | | | | | | 23.2 | 27.0 | 5.8 | 7422 |
| FEB | | 23.0 | | | 28.2 | | | | | | 20.7 | 28.0 | 5.5 | 6763 |
| MAR | | 21.5 | | | 35.7 | | | | | | 20.9 | 21.9 | 5.2 | 7420 |
| APR | | 24.4 | | | 37.6 | | | | | | 20.8 | 17.9 | 4.8 | 7192 |
| MAY | | 15.3 | | | 36.1 | | | | | | 26.7 | 21.9 | 5.7 | 7429 |
| JUN | | 6.8 | | | 37.5 | | | | | | 30.8 | 24.9 | 6.4 | 7197 |
| JUL | | 7.3 | | | 38.5 | | | | | | 31.9 | 22.3 | 6.3 | 7438 |
| AUG | | 6.6 | | | 44.0 | | | | | | 29.0 | 19.6 | 5.9 | 7435 |
| SEP | | 5.8 | | | 44.0 | | | | | | 29.0 | 20.6 | 6.0 | 7199 |
| OCT | | 11.5 | | | 39.3 | | | | | | 26.3 | 22.9 | 5.8 | 7438 |
| NOV | | 17.7 | | | 35.8 | | | | | | 25.5 | 21.0 | 5.5 | 7189 |
| DEC | | 20.3 | | | 31.1 | | | | | | 23.3 | 25.3 | 5.6 | 7432 |
| TOTALS | | 14.8 | | | 36.7 | | | | | | 25.7 | 22.8 | 5.7 | 87554 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

NOTE: Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OL A to present these data may result in differences not exceeding $\pm 1^{\circ}$ from directly converted values but excludes no Fahrenheit values.

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) / indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

2

CLIMATE DIVISION
 AIRCRAFT
 AIRCRAFT SERVICE/AC
 12800 KDC SHUTTLE APT FL
 STATION STATION NAME

7-71

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 55 | | | | 1.5 | 3.1 | 11.1 | 10.9 | 12.8 | 3.9 | | | | .1 |
| 60 | | | | 10.4 | 25.0 | 61.1 | 89.6 | 92.2 | 74.1 | 19.8 | | | 4.4 |
| 65 | | | 4.4 | 42.6 | 82.4 | 97.7 | 99.4 | 99.7 | 97.7 | 68.5 | 25.2 | 5.6 | 31.6 |
| 70 | 26.7 | 27.4 | 48.8 | 80.7 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 | 92.7 | 64.8 | 32.4 | 54.6 |
| 75 | 20.9 | 49.0 | 73.8 | 95.1 | 99.9 | | | | | 99.1 | 86.8 | 60.9 | 72.5 |
| 80 | 70.7 | 70.0 | 89.3 | 99.5 | 100.0 | | | | | 100.0 | 94.7 | 80.4 | 84.8 |
| 85 | 65.0 | 65.0 | 96.5 | 100.0 | | | | | | | 97.9 | 91.2 | 92.1 |
| 90 | 53.4 | 95.0 | 99.0 | | | | | | | | 99.7 | 96.9 | 96.5 |
| 95 | 47.4 | 99.0 | 100.0 | | | | | | | | 100.0 | 98.4 | 98.7 |
| 100 | 99.3 | 100.0 | | | | | | | | | | 99.9 | 99.9 |
| 105 | 99.7 | | | | | | | | | | | 100.0 | 100.0 |
| 110 | 100.0 | | | | | | | | | | | | 100.0 |
| 115 | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | |
| 135 | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | |
| 145 | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | |
| 155 | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | |
| 165 | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | |
| 175 | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | |
| 185 | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | |
| 195 | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | |
| MEAN | 68.5 | 68.6 | 73.4 | 78.4 | 82.1 | 85.6 | 87.4 | 87.2 | 85.6 | 81.1 | 75.4 | 70.3 | 78.7 |
| S. D. | 8.434 | 7.034 | 6.949 | 5.019 | 3.661 | 2.210 | 2.340 | 2.175 | 2.503 | 4.057 | 5.708 | 7.099 | 8.762 |
| TOTAL OBS. | 682 | 621 | 642 | 659 | 582 | 660 | 582 | 682 | 660 | 682 | 660 | 682 | 8034 |

2

ARMED CLIMATELOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC
 1280 KSC SHUTTLE APT FL
 STATION STATION NAME

DAILY TEMPERATURES

7-74

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

F A

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 65 | | | .1 | 1.5 | 7.2 | 38.0 | 64.8 | 65.0 | 52.4 | 14.2 | | | 20.4 |
| 70 | .6 | .5 | 6.0 | 23.7 | 60.0 | 95.2 | 99.3 | 99.7 | 97.7 | 61.6 | 11.8 | 2.8 | 46.9 |
| 75 | 13.0 | 13.0 | 30.8 | 60.8 | 90.5 | 100.0 | 100.0 | 100.0 | 100.0 | 87.2 | 40.5 | 18.2 | 63.7 |
| 80 | 37.2 | 31.2 | 55.7 | 84.7 | 99.0 | | | | | 96.0 | 73.2 | 43.0 | 76.9 |
| 85 | 26.7 | 51.9 | 79.3 | 95.8 | 100.0 | | | | | 99.3 | 88.3 | 62.0 | 86.3 |
| 90 | 74.9 | 72.2 | 90.8 | 99.4 | | | | | | 100.0 | 95.6 | 81.1 | 92.9 |
| 95 | 96.1 | 88.6 | 96.9 | 100.0 | | | | | | | 98.9 | 91.5 | 96.0 |
| 100 | 34.6 | 97.1 | 99.7 | | | | | | | | 99.8 | 97.4 | 99.1 |
| 105 | 28.1 | 99.8 | 100.0 | | | | | | | | 100.0 | 99.7 | 99.8 |
| 110 | 29.7 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 115 | 100.0 | | | | | | | | | | | | 100.0 |
| 120 | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | |
| 135 | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | |
| 145 | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | |
| 155 | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | |
| 165 | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | |
| 175 | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | |
| 185 | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | |
| 195 | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | |
| MEAN | 60.1 | 59.8 | 65.1 | 70.3 | 74.0 | 78.7 | 80.3 | 80.3 | 79.5 | 74.8 | 67.8 | 61.8 | 71.1 |
| S.D. | 8.607 | 8.119 | 7.048 | 5.360 | 3.698 | 2.584 | 2.124 | 1.870 | 2.189 | 4.801 | 6.512 | 8.115 | 9.504 |
| TOTAL OBS. | 682 | 621 | 682 | 659 | 652 | 660 | 682 | 682 | 660 | 682 | 660 | 682 | 8034 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS.)

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

57-79

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)
A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

2

(FROM DAILY OBSERVATIONS)

YEARS

[illegible]

USAF ETAC FORM 0-88-6 (OLA)

* (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12863 KSC SHUTTLE APT FL
STATION STATION NAME

70-71

YEARS

JAN.
MONTH

PAGE 1 0000-0200
HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|----------------|----------------|----------------|----------------|----------|------------------------------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|-----|--------------------|-------|-----|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | .1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | |
| 72/ 71 | | 1.7 | 1.1 | .1 | | | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | 27 | | | | |
| 70/ 69 | .2 | 4.4 | 1.8 | .4 | .2 | | | | | | | | | | | | | 66 | | | | | | | | | | | | | | | 66 | | | 22 | |
| 68/ 67 | 1.4 | 7.2 | 1.9 | .3 | .1 | | | | | | | | | | | | | 98 | | | | | | | | | | | | | | | 98 | | | 61 | |
| 66/ 65 | 1.2 | 5.6 | 1.2 | .6 | .3 | | | | | | | | | | | | | 83 | | | | | | | | | | | | | | | 83 | | | 90 | |
| 64/ 63 | 1.1 | 4.0 | 1.5 | .6 | .8 | | | | | | | | | | | | | 93 | | | | | | | | | | | | | | | 93 | | | 76 | |
| 62/ 61 | 1.2 | 3.4 | .8 | .2 | .4 | | | | | | | | | | | | | 56 | | | | | | | | | | | | | | | 56 | | | 72 | |
| 60/ 59 | 1.3 | 5.1 | 1.2 | | .2 | .1 | | | | | | | | | | | | 73 | | | | | | | | | | | | | | | 73 | | | 73 | |
| 58/ 57 | 1.2 | 3.6 | 1.2 | 1.2 | .5 | | | | | | | | | | | | | 71 | | | | | | | | | | | | | | | 71 | | | 62 | |
| 56/ 55 | .4 | 3.1 | 1.0 | .2 | .4 | | | | | | | | | | | | | 48 | | | | | | | | | | | | | | | 48 | | | 56 | |
| 54/ 53 | .3 | 3.0 | 1.5 | .3 | .2 | | | | | | | | | | | | | 50 | | | | | | | | | | | | | | | 50 | | | 47 | |
| 52/ 51 | .1 | 2.0 | .4 | .4 | .1 | | | | | | | | | | | | | 29 | | | | | | | | | | | | | | | 29 | | | 48 | |
| 50/ 49 | .3 | 1.5 | .1 | .2 | | .2 | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | 25 | | | 32 | |
| 48/ 47 | | .8 | 1.0 | .8 | .1 | | | | | | | | | | | | | 26 | | | | | | | | | | | | | | | 26 | | | 39 | |
| 46/ 45 | | 1.9 | 1.1 | .1 | .1 | | | | | | | | | | | | | 30 | | | | | | | | | | | | | | | 30 | | | 17 | |
| 44/ 43 | | 2.4 | 1.0 | .9 | .1 | | | | | | | | | | | | | 40 | | | | | | | | | | | | | | | 40 | | | 18 | |
| 42/ 41 | .1 | 1.3 | .6 | .6 | .2 | | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | 27 | | | 41 | |
| 40/ 39 | .3 | .8 | 1.0 | .6 | | | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | 25 | | | 27 | |
| 38/ 37 | .2 | 1.9 | .5 | .4 | .1 | | | | | | | | | | | | | 30 | | | | | | | | | | | | | | | 30 | | | 25 | |
| 36/ 35 | .1 | .5 | .2 | .2 | .1 | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | 11 | | | 25 | |
| 34/ 33 | .1 | .5 | .2 | .1 | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | | 9 | | | 15 | |
| 32/ 31 | .1 | .3 | .2 | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | 6 | | | 26 | |
| 30/ 29 | .4 | | .1 | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | 5 | | | 18 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 10.0 | 57.4 | 19.6 | 8.6 | 4.1 | .2 | | | | | | | | | | | | 929 | | | | | | | | | | | | | | | 929 | | | 929 | |
| Element (X) | Σ _h | Σ _h | Σ _h | Σ _h | Σ _h | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 7047235 | 80109 | 86.2 | 12.25 | 929 | ≥ 8 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 3132026 | 99082 | 57.1 | 10.32 | 929 | | 1.1 | 19.2 | .1 | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 2909765 | 51022 | 54.9 | 10.76 | 929 | | 2.9 | 11.5 | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 2744086 | 49170 | 52.9 | 12.35 | 929 | | 8.2 | 8.4 | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6238

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12808 KSC SHUTTLE APT FL

10-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|---|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 74/ 73 | | .1 | .1 | | | | | | | | | | | | | | | 2 | | 2 | | | | | | |
| 72/ 71 | | 1.1 | .6 | | | | | | | | | | | | | | | 16 | | 16 | 2 | | | | | |
| 70/ 69 | .1 | 2.9 | 1.5 | .1 | .5 | | | | | | | | | | | | | 48 | | 48 | 17 | | | | | |
| 68/ 67 | .6 | 6.7 | .6 | | | | | | | | | | | | | | | 74 | | 74 | 36 | | | | | |
| 66/ 65 | 1.1 | 5.6 | 1.2 | .5 | .2 | | | | | | | | | | | | | 80 | | 80 | 23 | | | | | |
| 64/ 63 | 2.2 | 5.3 | 1.2 | .5 | .3 | | | | | | | | | | | | | 88 | | 88 | 82 | | | | | |
| 62/ 61 | 1.8 | 4.6 | 1.3 | .4 | .1 | | | | | | | | | | | | | 77 | | 77 | 74 | | | | | |
| 60/ 59 | 2.2 | 3.3 | .5 | .2 | .1 | | | | | | | | | | | | | 59 | | 59 | 74 | | | | | |
| 58/ 57 | 1.5 | 3.1 | 1.2 | .4 | .2 | | | | | | | | | | | | | 60 | | 60 | 63 | | | | | |
| 56/ 55 | 1.1 | 4.9 | 1.4 | .5 | .2 | .1 | | | | | | | | | | | | 81 | | 81 | 57 | | | | | |
| 54/ 53 | .4 | 3.2 | .9 | .2 | .3 | | | | | | | | | | | | | 50 | | 50 | 63 | | | | | |
| 52/ 51 | .3 | 2.8 | .8 | .2 | | | | | | | | | | | | | | 38 | | 38 | 46 | | | | | |
| 50/ 49 | .2 | 2.0 | .3 | .3 | .1 | | | | | | | | | | | | | 28 | | 28 | 42 | | | | | |
| 48/ 47 | .2 | 1.6 | .4 | .6 | | | | | | | | | | | | | | 25 | | 25 | 27 | | | | | |
| 46/ 45 | .1 | 2.4 | 1.6 | .1 | | | | | | | | | | | | | | 39 | | 39 | 25 | | | | | |
| 44/ 43 | .2 | 1.6 | 1.0 | .6 | | | | | | | | | | | | | | 32 | | 32 | 41 | | | | | |
| 42/ 41 | | 1.5 | 1.4 | .2 | | | | | | | | | | | | | | 29 | | 29 | 23 | | | | | |
| 40/ 39 | .2 | 1.1 | 1.3 | .6 | .1 | | | | | | | | | | | | | 31 | | 31 | 35 | | | | | |
| 38/ 37 | .4 | .5 | .9 | .4 | .1 | | | | | | | | | | | | | 22 | | 22 | 25 | | | | | |
| 36/ 35 | | 1.3 | .3 | .2 | .1 | | | | | | | | | | | | | 18 | | 18 | 21 | | | | | |
| 34/ 33 | .2 | .8 | .3 | .2 | .2 | | | | | | | | | | | | | 16 | | 16 | 27 | | | | | |
| 32/ 31 | | .5 | .3 | .1 | | | | | | | | | | | | | | 9 | | 9 | 10 | | | | | |
| 30/ 29 | .2 | | .2 | | | | | | | | | | | | | | | 4 | | 4 | 13 | | | | | |
| 28/ 27 | .3 | | | | | | | | | | | | | | | | | 3 | | 3 | 9 | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| Element (X) | Σ x ² | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JA
MONTH

0300-0500
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

24

i

1

4

3

1

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PSYCHROMETRIC SUMMARY

1-7-1

YEARS

JAN
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

100

USAFETAC

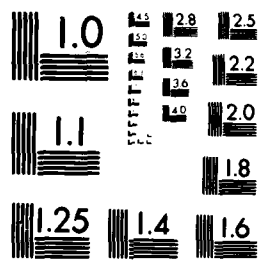
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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/O 8/2
KSC SHUTTLE APT, TITUSVILLE, FLORIDA. REVISED UNIFORM SUMMARY 0--ETC(U)
NOV 79

UNCLASSIFIED NOV 79 USAFETAC/D8-00/000

222

4



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

JAN
MONTH

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12808 KSC SHUTTLE APT FL 70-75 JAN
STATION STATION NAME YEARS MONTH
PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|-----|---|--------------------|-------|----|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | .1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | |
| 76/ 75 | | | | | | .3 | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | 5 | | | | |
| 74/ 73 | | 1.7 | 1.2 | .4 | .1 | | | | | | | | | | | | | 35 | | | | | | | | | | | | | | 35 | | 4 | 1 | | |
| 72/ 71 | | 3.4 | 4.2 | .5 | | | | | | | | | | | | | | 76 | | | | | | | | | | | | | | 76 | | 19 | 13 | | |
| 70/ 69 | .3 | 6.6 | 3.7 | .4 | .2 | | .1 | | | | | | | | | | | 105 | | | | | | | | | | | | | | 105 | | 73 | 39 | | |
| 68/ 67 | .3 | 5.0 | 3.2 | 1.3 | .3 | .4 | | | | | | | | | | | | 98 | | | | | | | | | | | | | | 98 | | 104 | 101 | | |
| 66/ 65 | .5 | 5.2 | 2.5 | 1.0 | .1 | .1 | | | | | | | | | | | | 87 | | | | | | | | | | | | | | 87 | | 90 | 78 | | |
| 64/ 63 | | 4.4 | 2.4 | .5 | .8 | | | | | | | | | | | | | 75 | | | | | | | | | | | | | | 75 | | 92 | 83 | | |
| 62/ 61 | .4 | 2.5 | 1.4 | 1.4 | .3 | .1 | | | | | | | | | | | | 59 | | | | | | | | | | | | | | 59 | | 67 | 78 | | |
| 60/ 59 | .1 | 2.0 | 1.5 | 1.1 | 1.1 | .1 | .1 | | | | | | | | | | | 56 | | | | | | | | | | | | | | 56 | | 52 | 62 | | |
| 58/ 57 | | 2.3 | 1.7 | .2 | .8 | .1 | | | .1 | | | | | | | | | 48 | | | | | | | | | | | | | | 48 | | 45 | 40 | | |
| 56/ 55 | | 2.3 | 1.0 | 1.1 | .8 | .2 | .2 | | .1 | | | | | | | | | 52 | | | | | | | | | | | | | | 52 | | 65 | 43 | | |
| 54/ 53 | | .9 | 1.3 | 1.0 | .5 | .5 | .1 | | | | | | | | | | | 40 | | | | | | | | | | | | | | 40 | | 44 | 49 | | |
| 52/ 51 | | .9 | .5 | .4 | .9 | .3 | .1 | .1 | | | | | | | | | | 30 | | | | | | | | | | | | | | 30 | | 22 | 34 | | |
| 50/ 49 | | 1.1 | .8 | .4 | .2 | .2 | .2 | .1 | | | | | | | | | | 29 | | | | | | | | | | | | | | 29 | | 28 | 30 | | |
| 48/ 47 | | 1.5 | .9 | 1.0 | .2 | .5 | .1 | | | | | | | | | | | 39 | | | | | | | | | | | | | | 39 | | 31 | 36 | | |
| 46/ 45 | | .6 | 1.5 | .8 | .3 | .1 | | | | | | | | | | | | 31 | | | | | | | | | | | | | | 31 | | 36 | 22 | | |
| 44/ 43 | | .5 | .4 | 1.1 | .5 | | | | | | | | | | | | | 24 | | | | | | | | | | | | | | 24 | | 32 | 37 | | |
| 42/ 41 | | .4 | .2 | .3 | | | | | | | | | | | | | | 13 | | | | | | | | | | | | | | 13 | | 36 | 23 | | |
| 40/ 39 | | .3 | .5 | | .3 | | | | | | | | | | | | | 13 | | | | | | | | | | | | | | 13 | | 23 | 21 | | |
| 38/ 37 | | .1 | .3 | .1 | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | 5 | | 25 | 24 | | |
| 36/ 35 | | | .4 | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | 4 | | 4 | 28 | | |
| 34/ 33 | | .2 | .2 | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | 4 | | 3 | 8 | | |
| 32/ 31 | | .1 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 10 | 26 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 16 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| TOTAL | 1.7 | 42.6 | 30.0 | 13.0 | 7.9 | 3.3 | 1.0 | .2 | .2 | | | | | | | | | 929 | | | | | | | | | | | | | | 929 | | 929 | 929 | | |
| Element (X) | Z ₁ | Z ₂ | X | X ₁ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 6168604 | 74494 | 80.2 | 14.501 | 929 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 3501770 | 56362 | 60.7 | 9.418 | 929 | | .1 | 32.0 | 4.1 | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 3142296 | 53178 | 57.2 | 10.291 | 929 | | 1.2 | 20.0 | .4 | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 2879292 | 50258 | 54.2 | 12.695 | 929 | | 7.9 | 15.4 | .1 | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0043

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12808 KSC SHUTTLE APT FL
STATION STATION NAME

70-79

YEARS

JAN
MONTH

PAGE 1 2100-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|------------------|-----|------|------|------------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 74/ 73 | | 1.1 | .4 | .1 | | | | | | | | | | | | | | 15 | 15 | 1 | | | |
| 72/ 71 | | 2.3 | 2.3 | .4 | | | | | | | | | | | | | | 46 | 46 | 14 | 9 | | |
| 70/ 69 | .4 | 5.6 | 1.5 | .4 | .1 | .1 | .1 | | | | | | | | | | | 77 | 77 | 52 | 28 | | |
| 68/ 67 | 1.2 | 6.1 | 2.0 | 1.3 | .4 | .1 | | | | | | | | | | | | 109 | 109 | 91 | 90 | | |
| 66/ 65 | 1.1 | 5.9 | .8 | .8 | .3 | .4 | | | | | | | | | | | | 85 | 85 | 85 | 75 | | |
| 64/ 63 | .3 | 5.3 | 1.4 | .8 | .4 | .1 | | | | | | | | | | | | 77 | 77 | 79 | 83 | | |
| 62/ 61 | .2 | 4.0 | 1.1 | .2 | .4 | | | | | | | | | | | | | 55 | 55 | 65 | 49 | | |
| 60/ 59 | .8 | 4.3 | 1.2 | 1.2 | .3 | | | | | | | | | | | | | 74 | 74 | 67 | 78 | | |
| 58/ 57 | .3 | 3.1 | 1.5 | .5 | .5 | .2 | .1 | | | | | | | | | | | 59 | 59 | 66 | 57 | | |
| 56/ 55 | | 2.0 | 1.0 | 1.0 | .8 | .1 | | | | | | | | | | | | 44 | 44 | 45 | 48 | | |
| 54/ 53 | | 1.9 | 1.1 | .6 | .2 | .2 | | | | | | | | | | | | 38 | 38 | 53 | 41 | | |
| 52/ 51 | | 2.2 | .4 | .3 | .2 | | | | | | | | | | | | | 30 | 30 | 30 | 32 | | |
| 50/ 49 | | 1.7 | .8 | .4 | .4 | .2 | | | | | | | | | | | | 33 | 33 | 42 | 43 | | |
| 48/ 47 | | 1.2 | 1.0 | 1.0 | .2 | .1 | .1 | | | | | | | | | | | 33 | 33 | 30 | 35 | | |
| 46/ 45 | | 1.6 | 1.1 | .4 | .2 | .2 | | | | | | | | | | | | 33 | 33 | 25 | 26 | | |
| 44/ 43 | | 1.9 | 1.0 | .4 | .8 | | | | | | | | | | | | | 37 | 37 | 47 | 22 | | |
| 42/ 41 | | .2 | .8 | .3 | .3 | | | | | | | | | | | | | 16 | 16 | 36 | 41 | | |
| 40/ 39 | .4 | 1.1 | .4 | .1 | .2 | | | | | | | | | | | | | 22 | 22 | 22 | 22 | | |
| 38/ 37 | .1 | 1.5 | .2 | .4 | .1 | | | | | | | | | | | | | 22 | 22 | 33 | 22 | | |
| 36/ 35 | | .4 | .1 | | | | | | | | | | | | | | | 5 | 5 | 23 | 35 | | |
| 34/ 33 | | .4 | | | | | | | | | | | | | | | | 4 | 4 | 10 | 21 | | |
| 32/ 31 | .2 | 1.0 | .1 | | | | | | | | | | | | | | | 12 | 12 | 14 | 17 | | |
| 30/ 29 | .1 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 7 | 17 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 3 | 13 | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 11 | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| TOTAL | 4.755 | 321.2 | 10.8 | 5.9 | 1.8 | .3 | | | | | | | | | | | | 930 | 930 | 930 | 930 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x ¹ | | Σ x ² | | Σ x | | Σ x ² | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | |
| Rel. Hum. | 6699793 | | 77947 | | 83.8 | | 13.397 | | 930 | | ≤ 0 F | ≤ 32 F | ≥ 47 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | 93 | | | | | | |
| Dry Bulb | 3266330 | | 54280 | | 58.4 | | 10.284 | | 930 | | | 1.6 | 24.7 | 1.5 | | | 93 | | | | | | |
| Wet Bulb | 2991953 | | 51785 | | 55.7 | | 10.803 | | 930 | | | 2.4 | 15.8 | .1 | | | 93 | | | | | | |
| Dew Point | 2784988 | | 49544 | | 53.3 | | 12.563 | | 930 | | | 7.3 | 12.7 | | | | 93 | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

ALL

ALB
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

70-72

YEARS

FREE
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12863 KSC SHUTTLE APT FL
STATION STATION NAME

70-76

YEARS

FEB
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------|-------|-----|------------|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----------|-----|----------|-----------|--|-----|--|-----|--|-----|--|--------------------|-------|-----|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | | Wet Bulb | Dew Point | | | | | | | | | | | |
| 72/ 71 | | .7 | .2 | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | |
| 70/ 69 | .2 | 2.1 | .3 | | | | | | | | | | | | | | | 25 | 25 | 12 | 10 | | | | | | | | | | | |
| 68/ 67 | .4 | 6.5 | .3 | .2 | .4 | .2 | | | | | | | | | | | | 71 | 71 | 42 | 32 | | | | | | | | | | | |
| 66/ 65 | .6 | 5.0 | 1.4 | .8 | | | | | | | | | | | | | | 68 | 68 | 69 | 63 | | | | | | | | | | | |
| 64/ 63 | .5 | 3.7 | .7 | | | .1 | | | | | | | | | | | | 42 | 42 | 43 | 38 | | | | | | | | | | | |
| 62/ 61 | .4 | 3.8 | .8 | .4 | .4 | | | | | | | | | | | | | 46 | 46 | 48 | 46 | | | | | | | | | | | |
| 60/ 59 | .7 | 4.9 | .7 | .2 | .4 | | | | | | | | | | | | | 58 | 58 | 55 | 49 | | | | | | | | | | | |
| 58/ 57 | .2 | 4.1 | .6 | .2 | .2 | | | | | | | | | | | | | 46 | 46 | 54 | 53 | | | | | | | | | | | |
| 56/ 55 | .4 | 5.3 | .9 | .6 | .1 | | | | | | | | | | | | | 67 | 67 | 41 | 46 | | | | | | | | | | | |
| 54/ 53 | .5 | 4.3 | 1.3 | .4 | .1 | | | | | | | | | | | | | 57 | 57 | 66 | 58 | | | | | | | | | | | |
| 52/ 51 | .5 | 3.4 | 1.7 | .4 | .2 | | .1 | | | | | | | | | | | 53 | 53 | 56 | 56 | | | | | | | | | | | |
| 50/ 49 | .4 | 3.1 | 1.3 | .2 | .1 | .1 | | | | | | | | | | | | 45 | 45 | 47 | 38 | | | | | | | | | | | |
| 48/ 47 | .4 | 4.6 | 1.7 | .4 | | .1 | | | | | | | | | | | | 60 | 60 | 55 | 47 | | | | | | | | | | | |
| 46/ 45 | .2 | 4.3 | 1.2 | .2 | | | | | | | | | | | | | | 50 | 50 | 50 | 50 | | | | | | | | | | | |
| 44/ 43 | | 3.0 | .7 | .5 | | | | | | | | | | | | | | 35 | 35 | 52 | 45 | | | | | | | | | | | |
| 42/ 41 | | 3.0 | 1.7 | .5 | | .4 | | | | | | | | | | | | 46 | 46 | 37 | 40 | | | | | | | | | | | |
| 40/ 39 | .1 | 1.1 | .6 | .4 | | | | | | | | | | | | | | 20 | 20 | 34 | 50 | | | | | | | | | | | |
| 38/ 37 | .5 | .7 | .4 | .4 | | | | | | | | | | | | | | 16 | 16 | 27 | 26 | | | | | | | | | | | |
| 36/ 35 | | .9 | .1 | .1 | | | | | | | | | | | | | | 10 | 10 | 15 | 10 | | | | | | | | | | | |
| 34/ 33 | .1 | .7 | | | | | | | | | | | | | | | | 7 | 7 | 18 | 18 | | | | | | | | | | | |
| 32/ 31 | | .8 | | .1 | | | | | | | | | | | | | | 8 | 8 | 11 | 26 | | | | | | | | | | | |
| 30/ 29 | .4 | .1 | | | | | | | | | | | | | | | | 4 | 4 | 9 | 13 | | | | | | | | | | | |
| 28/ 27 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 15 | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| TOTAL | 6.8 | 67.1 | 17.5 | 5.9 | 1.7 | .9 | .1 | | | | | | | | | | | 844 | 844 | 844 | 844 | | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | |
| Rel. Hum. | 6513510 | | 73556 | | 87,211,053 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | |
| Dry Bulb | 2568252 | | 49824 | | 54.3 | | 9.759 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | |
| Wet Bulb | 2391928 | | 44126 | | 52.4 | | 10.037 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | |
| Dew Point | 2236036 | | 42580 | | 50.3 | | 11.312 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | |

FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JAN 64

PSYCHROMETRIC SUMMARY

FEB
MONTH

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 80/ 79 | | | | | .9 | .1 | | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | .8 | 1.2 | .1 | .1 | | | | | | | | | | | 2 | 20 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | .7 | 1.7 | .7 | .7 | | | | | | | | | | | | 37 | 32 | | | | | | | | | | | | | | | | |
| 74/ 73 | | .1 | 2.4 | 1.7 | .8 | 1.3 | .1 | .1 | | | | | | | | | | 56 | 56 | 1 | | | | | | | | | | | | | | | |
| 72/ 71 | | 1.4 | 3.0 | 1.4 | 1.9 | .4 | .7 | .1 | | | | | | | | | | 75 | 75 | 36 | 1 | | | | | | | | | | | | | | |
| 70/ 69 | .4 | 1.4 | 2.2 | 1.8 | 1.4 | .7 | .2 | .4 | | | | | | | | | | 69 | 69 | 54 | 30 | | | | | | | | | | | | | | |
| 68/ 67 | .2 | 2.2 | 1.9 | 1.7 | .7 | 1.1 | .8 | .1 | | | | | | | | | | 69 | 69 | 81 | 70 | | | | | | | | | | | | | | |
| 66/ 65 | | .9 | 1.7 | 1.8 | 1.3 | .9 | .9 | .1 | | | | | | | | | | 65 | 65 | 76 | 43 | | | | | | | | | | | | | | |
| 64/ 63 | .4 | 2.5 | 1.1 | 1.1 | 1.2 | 1.1 | .4 | .4 | .1 | | | | | | | | | 68 | 68 | 58 | 57 | | | | | | | | | | | | | | |
| 62/ 61 | | 1.8 | 1.4 | .3 | 2.0 | .1 | .2 | .2 | | | | | | | | | | 61 | 61 | 62 | 64 | | | | | | | | | | | | | | |
| 60/ 59 | | 1.7 | 2.2 | 2.0 | .9 | .5 | .4 | .1 | | | | | | | | | | 66 | 66 | 51 | 54 | | | | | | | | | | | | | | |
| 58/ 57 | | .9 | 1.9 | 1.9 | 1.4 | .2 | .6 | .1 | | | | | | | | | | 62 | 62 | 69 | 35 | | | | | | | | | | | | | | |
| 56/ 55 | .4 | 1.7 | .7 | 1.4 | .8 | .1 | .4 | | | | | | | | | | | 44 | 44 | 67 | 54 | | | | | | | | | | | | | | |
| 54/ 53 | .4 | .9 | .7 | 1.1 | .6 | .7 | .2 | .1 | | | | | | | | | | 40 | 40 | 73 | 50 | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | .5 | .9 | .2 | .4 | .2 | | | | | | | | | | | 23 | 23 | 40 | 56 | | | | | | | | | | | | | | |
| 50/ 49 | | .1 | .7 | 1.1 | .4 | .6 | | | | | | | | | | | | 24 | 24 | 44 | 40 | | | | | | | | | | | | | | |
| 48/ 47 | | .4 | 1.2 | .7 | .6 | | .2 | .1 | | | | | | | | | | 27 | 27 | 30 | 45 | | | | | | | | | | | | | | |
| 46/ 45 | | | .4 | .4 | .2 | .1 | .1 | | | | | | | | | | | 10 | 10 | 34 | 44 | | | | | | | | | | | | | | |
| 44/ 43 | | .1 | .2 | .4 | .5 | .1 | | | | | | | | | | | | 11 | 11 | 23 | 33 | | | | | | | | | | | | | | |
| 42/ 41 | | | | .6 | .2 | | | | | | | | | | | | | 7 | 7 | 23 | 23 | | | | | | | | | | | | | | |
| 40/ 39 | | | .2 | .1 | .2 | | | | | | | | | | | | | 7 | 7 | 11 | 32 | | | | | | | | | | | | | | |
| 38/ 37 | | | .2 | | .1 | | | | | | | | | | | | | 3 | 3 | 5 | 22 | | | | | | | | | | | | | | |
| 36/ 35 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 16 | 17 | | | | | | | | | | | | | | |
| 34/ 33 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 7 | 12 | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 3 | 16 | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 16 | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 8 | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

FORM 1

USAFETAC

PSYCHROMETRIC SUMMARY

| | |
|---------|-------------------|
| 12608 | KSC SATTLE APT FL |
| STATION | STATION NAME |

20-7

YEARS

FEB
MONTH

PAGE 2

0400-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | | |
|-------|--------|------------------|
| YEARS | PAGE 1 | FILE |
| | | MONTH |
| | | 1200-1400 |
| | | HOURS (L. S. T.) |

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|----------------|----------|------------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | | | | | | | | 14 | 14 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | 35 | 35 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | | | | | | | | | 46 | 46 | 1 | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | | | | | | | | | | | 75 | 75 | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | | | | | | | | | 90 | 80 | 15 | 1 | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | | | | | | | | | | | 71 | 71 | 43 | 5 | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | 68 | 68 | 50 | 24 | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | 63 | 63 | 78 | 41 | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | 64 | 64 | 58 | 53 | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | 54 | 54 | 63 | 73 | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | 59 | 59 | 61 | 61 | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | 59 | 59 | 66 | 42 | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | 39 | 39 | 72 | 49 | | | | | | | | | | | | | | |
| 55/ 55 | | | | | | | | | | | | | | | | | | 30 | 30 | 64 | 43 | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | 21 | 21 | 68 | 43 | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | 23 | 23 | 36 | 57 | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | 18 | 18 | 56 | 51 | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | 5 | 5 | 33 | 48 | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | 5 | 5 | 29 | 35 | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | 4 | 4 | 22 | 38 | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | 3 | 3 | 14 | 32 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | 1 | 1 | 15 | 20 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 11 | 22 | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 26 | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 23 | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | Σ X | Σ | σ _A | No. Obs. | Mean No. of Hours with Temperature | | | | | | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | Total | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC
FORM
NO. 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

10-7-8

YEARS

FER
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|----|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 4 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 0.2 | 6.0 | 8.3 | 15.6 | 23.2 | 20.0 | 14.7 | 8.7 | 2.1 | .7 | | | | | | | | | 846 | 846 | 846 | 46 |
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1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

12867 KSC SHUTTLE APT FL
STATION STATION NAME

10-70

YEARS

FEB
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | .1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | .5 | .1 | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | .4 | .5 | | | | | | | | | 7 | 7 | | | | | | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | .2 | .4 | .4 | .7 | .4 | .1 | | | | | | | | 20 | 20 | | | | | | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | 1.4 | 1.5 | .4 | .4 | .5 | | .1 | | | | | | | 36 | 36 | | | | | | | | | | | | | | | | | | | | | |
| 76/ 75 | | | .7 | 2.5 | 1.5 | .9 | .6 | .8 | .1 | .1 | | | | | | | 60 | 60 | | | | | | | | | | | | | | | | | | | | | |
| 74/ 73 | | .2 | 2.0 | 3.4 | 1.5 | .9 | .2 | .7 | .4 | .1 | .1 | | | | | | 82 | 82 | 4 | | | | | | | | | | | | | | | | | | | | |
| 72/ 71 | | .5 | 1.9 | 2.1 | 2.2 | .4 | 1.2 | .7 | .4 | | .1 | | | | | | 84 | 84 | 14 | 2 | | | | | | | | | | | | | | | | | | | |
| 70/ 69 | .1 | .2 | 1.7 | .8 | 1.7 | .8 | 1.3 | .1 | .1 | .2 | | | | | | | 60 | 60 | 66 | 23 | | | | | | | | | | | | | | | | | | | |
| 68/ 67 | | .7 | 1.1 | .7 | 2.0 | 1.7 | 1.1 | .4 | .1 | .1 | | | | | | | 66 | 66 | 77 | 47 | | | | | | | | | | | | | | | | | | | |
| 66/ 65 | | .9 | .0 | .9 | 2.2 | 1.8 | .9 | .7 | .1 | | .1 | | | | | | 73 | 73 | 62 | 61 | | | | | | | | | | | | | | | | | | | |
| 64/ 63 | | .7 | .7 | 1.5 | 1.4 | 1.9 | .9 | .7 | .2 | | | .1 | | | | | 70 | 70 | 65 | 54 | | | | | | | | | | | | | | | | | | | |
| 62/ 61 | .1 | .7 | .4 | 1.1 | .8 | .9 | .9 | .4 | | .1 | | | | | | | 50 | 50 | 49 | 65 | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | | .3 | .9 | 1.3 | .8 | 1.1 | .5 | .5 | .4 | | | | | | | | 54 | 54 | 68 | 43 | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | | 1.1 | .8 | .9 | 1.3 | .8 | 1.1 | .4 | | | | | | | | | 52 | 52 | 63 | 43 | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | | .8 | 1.1 | .9 | 1.2 | .2 | .9 | .1 | .4 | | | | | | | | 49 | 49 | 53 | 61 | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | | .4 | .1 | .6 | .9 | .4 | .5 | .4 | | | | | | | | | 27 | 27 | 75 | 48 | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | .1 | .7 | .5 | .6 | .5 | | | | | | | | | | 21 | 21 | 40 | 63 | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | .4 | .1 | .8 | .4 | .1 | | | | | | | | | | | 15 | 15 | 48 | 46 | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | .1 | .2 | .2 | | | | | | | | | | | | | 5 | 5 | 30 | 51 | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | .1 | .6 | | | | | | | | | | | | | 6 | 6 | 31 | 30 | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | 25 | 40 | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | .1 | | | | | | | | | | | | | | 1 | 1 | 16 | 27 | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | .2 | | | | | | | | | | | | | | 2 | 2 | 14 | 33 | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | 4 | 21 | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | 2 | 18 | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 29 | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ± 0 F | | ± 32 F | | ± 67 F | | ± 73 F | | ± 80 F | | ± 93 F | | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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USAFETAC FORM 0-26-S (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

0-7

YEARS

FEB
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|------|---|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | |
| 18 / 17 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 16 / 15 | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| TOTAL | .2 | 7.8 | 13.5 | 20.3 | 20.8 | 13.0 | 12.2 | 7.8 | 2.5 | .8 | .4 | .1 | | | | | | | | 84.6 | 84.6 | 84.6 | | | | | | | | |
| Element (X) | Σ X ² | Σ X | X̄ | S _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 3550974 | 52976 | 62.6 | 16.629 | 846 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 3733383 | 55769 | 65.9 | 8.216 | 846 | | | 41.8 | 21.0 | 2.4 | | 84 | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 2932222 | 49282 | 58.2 | 8.524 | 846 | | | 18.0 | .4 | | | 84 | | | | | | | | | | | | | | | | | | |
| Dew Point | 2399650 | 43946 | 51.9 | 11.759 | 846 | | 6.5 | 7.1 | | | | 84 | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (O.L.A.)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

PSYCHROMETRIC SUMMARY

1800 KSC SMITHLE APT FL 20-7 YEARS FEB
STATION STATION NAME MONTH
PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|-------|------------------------------------|--------|--------|--------|--------|--------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | .4 | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | .1 | .1 | .1 | .1 | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 74/ 73 | | .4 | 1.7 | .5 | .1 | .2 | .1 | | | | | | | | | | | 25 | 25 | | | | | | | | | | | | | | | | |
| 72/ 71 | | 2.2 | 2.9 | .2 | .2 | .2 | | .1 | | | | | | | | | | 47 | 47 | | | | | | | | | | | | | | | | |
| 70/ 69 | .1 | 2.6 | 4.0 | 1.3 | .2 | .2 | | .2 | | | | | | | | | | 74 | 74 | 43 | 26 | | | | | | | | | | | | | | |
| 68/ 67 | .1 | 2.7 | 3.3 | .9 | .4 | .2 | | .1 | | | | | | | | | | 71 | 71 | 64 | 47 | | | | | | | | | | | | | | |
| 66/ 65 | .1 | 3.2 | 2.8 | 2.7 | .5 | .5 | .4 | | | | | | | | | | | 84 | 84 | 62 | 50 | | | | | | | | | | | | | | |
| 64/ 63 | | 3.1 | 1.9 | 1.4 | 1.7 | | .4 | | | | | | | | | | | 68 | 68 | 63 | 64 | | | | | | | | | | | | | | |
| 62/ 61 | .0 | 2.2 | 1.4 | .9 | 1.1 | .6 | | | | | | | | | | | | 58 | 58 | 66 | 67 | | | | | | | | | | | | | | |
| 60/ 59 | | 3.0 | 1.3 | 1.1 | .8 | .5 | | | | .1 | | | | | | | | 61 | 61 | 63 | 45 | | | | | | | | | | | | | | |
| 58/ 57 | .2 | 2.5 | 1.7 | 1.4 | .7 | .2 | .1 | | | | | | | | | | | 58 | 58 | 59 | 56 | | | | | | | | | | | | | | |
| 56/ 55 | | 2.7 | 2.9 | .7 | .6 | .7 | .1 | .1 | | | | | | | | | | 63 | 63 | 67 | 48 | | | | | | | | | | | | | | |
| 54/ 53 | .1 | 3.2 | .7 | 2.2 | .2 | .5 | .1 | | | | | | | | | | | 60 | 60 | 68 | 54 | | | | | | | | | | | | | | |
| 52/ 51 | | .8 | 1.7 | .6 | .4 | .9 | | .1 | | | | | | | | | | 35 | 35 | 61 | 70 | | | | | | | | | | | | | | |
| 50/ 49 | | .6 | 1.1 | 1.4 | .7 | .1 | .1 | | | | | | | | | | | 34 | 34 | 33 | 42 | | | | | | | | | | | | | | |
| 48/ 47 | | 1.9 | .8 | 1.1 | .5 | .4 | | | | | | | | | | | | 39 | 39 | 46 | 33 | | | | | | | | | | | | | | |
| 46/ 45 | | .8 | 1.2 | .4 | .2 | .4 | | | | | | | | | | | | 25 | 25 | 39 | 41 | | | | | | | | | | | | | | |
| 44/ 43 | | .6 | .7 | .5 | | | | | | | | | | | | | | 15 | 15 | 39 | 39 | | | | | | | | | | | | | | |
| 42/ 41 | | | .6 | .1 | .1 | | | | | | | | | | | | | 7 | 7 | 28 | 31 | | | | | | | | | | | | | | |
| 40/ 39 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 14 | 25 | | | | | | | | | | | | | | |
| 38/ 37 | | .4 | .4 | | | | | | | | | | | | | | | 6 | 6 | 15 | 30 | | | | | | | | | | | | | | |
| 36/ 35 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 5 | 14 | | | | | | | | | | | | | | |
| 34/ 33 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 6 | 20 | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 1 | 18 | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 8 | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | | Σ X | | | Σ | °X | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | ≤ 6 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM 0-26-5 (O.L.A.) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

FL 12
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

F E 5

PAGE 1 2100-2200
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12858 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

2-7

YEARS

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MONTH

PAGE 1

ALL
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

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USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

| | |
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| 12809 | KJC SHUTTLE APT FL |
| STATION | STATION NAME |

9-7,

YEARS

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MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

12862
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STATION NAME

9-75

YEARS

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PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

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| 12808 | KJC SHUTTLE APT FL |
| STATION | STATION NAME |

15-7

YEARS

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PAGE 1 0600-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

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HOURS (L. S. T.)

[illegible]

USAFETAC
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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 1 1500-1000
HOURS (L. S. T.)

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USAFETAC
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0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1:44
MONTH

[illegible]

PSYCHROMETRIC SUMMARY

7.0-72

YEARS

MAR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
A-5 64
0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

20-73

YEARS

124
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

3-7

YEARS

MAN
MONTH

PAGE 1 2100-2200
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAP
MONTH

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAR.
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-73

YEARS

APR
MONTH

PAGE 1 0000-D200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

10-7

YEARS

APR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

6459
USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
#1-64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

20-7

FEARS

APR
MONTH

Page 2

1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12809 K5C SHUTTLE APT FL
STATION STATION NAME

7-7

△△△

YEARS

MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

17-7

YEARS

$\frac{\Delta P R}{\text{MONTH}}$

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

0-72

YEARS

APR
MONTH

PAGE 1 2100-2500
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12-70

YEARS

APR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

(0-7)

YEARS

APR
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12-7

YEARS

44 Y
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Q-26-5 (Q1 A)

Notes:

USAFETAC

PSYCHROMETRIC SUMMARY

12800
STATIO

KJC SHUTTLE APT FL
STATION NAME

10-71

YEARS

MAY
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

1.3 A Y
MONTH

PAGE 1 0600-0400
HOURS (L. S. T.)

[illegible]

REVEALED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12808 KSC SHUTTLE APT FL 10-70 YEARS MAY
STATION MONTH
PAGE 1 0900-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 92/ 91 | | | | | | | | .1 | | | | | | | | | | 1 | | | | | | |
| 88/ 87 | | | | | .2 | .1 | .4 | .3 | | | | | | | | | | 10 | | | | | | |
| 86/ 85 | | | | .3 | .4 | 2.3 | .8 | .4 | .4 | | | | | | | | | 43 | | | | | | |
| 84/ 83 | | | | .4 | 4.0 | 4.0 | 2.7 | 1.0 | .5 | | | | | | | | | 117 | | | | | | |
| 82/ 81 | | | .1 | 3.4 | 8.8 | 6.6 | 2.9 | .9 | .4 | | | | | | | | | 215 | | | | | | |
| 80/ 79 | | | .9 | 5.4 | 6.3 | 7.8 | 2.0 | 1.2 | .2 | .1 | | | | | | | | 223 | | | | | | |
| 78/ 77 | | .1 | 2.0 | 4.8 | 5.0 | 2.4 | 3.2 | .2 | .4 | | | | | | | | | 175 | | | | | | |
| 76/ 75 | | .4 | 1.3 | 2.3 | 1.3 | 1.9 | 1.6 | .4 | .1 | .2 | | | | | | | | 89 | | | | | | |
| 74/ 73 | | .3 | .0 | .6 | .0 | .9 | .4 | .1 | .2 | | | | | | | | | 36 | | | | | | |
| 72/ 71 | | .0 | .1 | .2 | .1 | .1 | .2 | .1 | .1 | | | | | | | | | 15 | | | | | | |
| 70/ 69 | | .1 | | | .1 | | .3 | | | | | | | | | | | 5 | | | | | | |
| 68/ 67 | | .1 | | | | | | | | | | | | | | | | 1 | | | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 1.7 | 5.1 | 17.5 | 27.5 | 20.0 | 14.6 | 4.7 | 2.5 | .3 | | | | | | | | 930 | | 930 | | | | |
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PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12805 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

70-75

YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12869 | KSC SEATTLE APT FL |
| STATION | STATION NAME |

10-71

YEARS

DAY
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

8-7

YEARS

DAY
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DAY
MONTH

ALL
HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 96/ 95 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | .0 | .0 | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | .0 | .0 | .0 | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | .0 | .0 | .1 | .1 | .0 | .0 | | | | | | 17 | 17 | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | .0 | .2 | .4 | .3 | .2 | .0 | .0 | .0 | | | | | | 96 | 96 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | .1 | .3 | 1.0 | .7 | .4 | .1 | .1 | | | | .0 | | | | 198 | 198 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | .1 | .3 | 1.3 | 1.7 | 1.0 | .3 | .1 | | | .1 | | | | | | 368 | 368 | | | | | | | | | | | | | | | | |
| 82/ 81 | | .0 | .2 | 1.4 | 3.0 | 2.2 | 1.4 | .3 | .2 | .1 | .0 | | | | | | | 657 | 657 | | | | | | | | | | | | | | | | |
| 80/ 79 | | .1 | .8 | 2.8 | 2.6 | 3.0 | 1.0 | .5 | .1 | .1 | .0 | .0 | | | | | | 811 | 811 | 17 | 2 | | | | | | | | | | | | | | |
| 78/ 77 | | .3 | 2.7 | 2.8 | 2.6 | 1.3 | .9 | .1 | .2 | .1 | | | | | | | | 828 | 828 | 109 | 16 | | | | | | | | | | | | | | |
| 76/ 75 | .0 | 3.1 | 4.4 | 3.2 | 1.3 | .7 | .8 | .2 | .1 | .0 | | .0 | | | | | | 1021 | 1021 | 523 | 86 | | | | | | | | | | | | | | |
| 74/ 73 | .1 | 5.0 | 4.0 | 3.1 | .9 | .6 | .1 | .1 | .1 | | | | | | | | | 1044 | 1046 | 1324 | 207 | | | | | | | | | | | | | | |
| 72/ 71 | .2 | 5.7 | 3.2 | 1.4 | 1.8 | .3 | .0 | .0 | .1 | | | | | | | | | 920 | 920 | 1422 | 1766 | | | | | | | | | | | | | | |
| 70/ 69 | .4 | 4.1 | 1.7 | .8 | .8 | .4 | .1 | .0 | .0 | | | | | | | | | 585 | 585 | 1456 | 1332 | | | | | | | | | | | | | | |
| 68/ 67 | .3 | 2.8 | .7 | .4 | .1 | .1 | .0 | | | | | | | | | | | 330 | 330 | 959 | 1446 | | | | | | | | | | | | | | |
| 66/ 65 | .2 | 2.1 | .6 | .2 | .1 | .0 | .0 | | | | | | | | | | | 237 | 237 | 630 | 332 | | | | | | | | | | | | | | |
| 64/ 63 | .1 | 1.0 | .3 | .1 | .0 | .0 | | | | | | | | | | | | 114 | 114 | 404 | 705 | | | | | | | | | | | | | | |
| 62/ 61 | .0 | .8 | .1 | .1 | .0 | .0 | | | | | | | | | | | | 77 | 77 | 224 | 419 | | | | | | | | | | | | | | |
| 60/ 59 | .0 | .5 | .2 | .1 | | | | | | | | | | | | | | 53 | 53 | 117 | 333 | | | | | | | | | | | | | | |
| 58/ 57 | | .2 | .1 | | .0 | | | | | | | | | | | | | 26 | 26 | 75 | 223 | | | | | | | | | | | | | | |
| 56/ 55 | | .1 | .1 | .0 | | | | | | | | | | | | | | 17 | 17 | 43 | 119 | | | | | | | | | | | | | | |
| 54/ 53 | | .1 | .0 | | | | | | | | | | | | | | | 7 | 7 | 28 | 88 | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | .0 | | | | | | | | | | | | | | | 9 | 9 | 11 | 51 | | | | | | | | | | | | | | |
| 50/ 49 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 9 | 42 | | | | | | | | | | | | | | |
| 48/ 47 | | .0 | .0 | | | | | | | | | | | | | | | 2 | 2 | 1 | 30 | | | | | | | | | | | | | | |
| 46/ 45 | | .0 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 15 | | | | | | | | | | | | | | |
| 44/ 43 | | .0 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 10 | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 7 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | 1.426 | 19.3 | 16.6 | 14.7 | 11.3 | 6.4 | 2.6 | 1.2 | .4 | .2 | .1 | .0 | | | | | | 7433 | 7433 | 7433 | 74 | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

4-7-

YEARS

July
MONTH

PAGE 1 0000-0000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

5-7

YEARS

10
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 80/ 79 | | .1 | 1.3 | .4 | | | | | | | | | | | | | | 20 | 70 | | | | | | |
| 78/ 77 | .4 | 6.0 | 5.2 | .6 | | | | | | | | | | | | | | 107 | 107 | 4 | 3 | | | | |
| 76/ 75 | .3 | 13.0 | 7.2 | 1.7 | .3 | | | | | | | | | | | | | 204 | 205 | 107 | 58 | | | | |
| 74/ 73 | 1.1 | 19.7 | 2.0 | .9 | | | | | | | | | | | | | | 213 | 213 | 240 | 183 | | | | |
| 72/ 71 | .9 | 13.0 | 1.1 | | | | | | | | | | | | | | | 135 | 135 | 229 | 243 | | | | |
| 70/ 69 | 1.4 | 10.3 | .4 | | | | | | | | | | | | | | | 119 | 110 | 157 | 201 | | | | |
| 68/ 67 | .8 | 6.7 | .1 | | | | | | | | | | | | | | | 68 | 68 | 108 | 109 | | | | |
| 66/ 65 | .4 | 4.6 | | | | | | | | | | | | | | | | 30 | 30 | 36 | 69 | | | | |
| 64/ 63 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 13 | 23 | | | | |
| 62/ 61 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 7 | 6 | | | | |
| 60/ 59 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 5 | | | | |
| TOTAL | 5.472 | 718.0 | 3.9 | .3 | | | | | | | | | | | | | | | 900 | | 900 | | | | |
| | | | | | | | | | | | | | | | | | | 900 | | 900 | | | | | |

USAFETAC
FORM
HH-44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12H00 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

9-70

YEARS

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MONTH

PAGE 1 0000-0000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

9-7

YEARS

مونت
MONTA

PAGE 1 0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 92/ 91 | | | | | | | .1 | .2 | .3 | | | | | | | | | 6 | 6 | | | | | |
| 90/ 89 | | | | | | | .1 | 1.4 | .8 | .2 | | | | | | | | 27 | 29 | | | | | |
| 88/ 87 | | | | | 1.4 | 3.6 | 2.7 | .6 | .1 | | | | | | | | | 95 | 95 | | | | | |
| 86/ 85 | | | | 1.8 | 7.9 | 9.0 | 1.3 | .4 | .1 | | | | | | | | | 183 | 183 | | | | | |
| 84/ 83 | | | .3 | 7.4 | 13.7 | 4.6 | 1.3 | .1 | | | | | | | | | | 247 | 247 | | | | | |
| 82/ 81 | | | 1.0 | 9.0 | 8.0 | 2.7 | .6 | | | | | | | | | | | 196 | 196 | | | | | |
| 80/ 79 | | .1 | .8 | 4.8 | 2.3 | 1.7 | | | | | | | | | | | | 85 | 85 | 55 | | | | |
| 78/ 77 | | .4 | 1.9 | .8 | .7 | | | | | | | | | | | | | 31 | 31 | 277 | 20 | | | |
| 76/ 75 | | 1.0 | .5 | .1 | | | | | | | | | | | | | | 15 | 15 | 234 | 142 | | | |
| 74/ 73 | | 1.0 | | .1 | | | | | | | | | | | | | | 10 | 10 | 201 | 281 | | | |
| 72/ 71 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 53 | 258 | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 18 | 129 | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 1 | 37 | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | 22 | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| TOTAL | .1 | 2.7 | 4.0 | 23.3 | 34.6 | 24.4 | 7.4 | 2.1 | .4 | | | | | | | | | 900 | 900 | 900 | 900 | | | |
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PSYCHROMETRIC SUMMARY

Q-7:

YEARS

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

0-7.

YEARS

Ref.

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

2170750 NEW WOOD SEAL AND SPROCKET FROM THE QTY 1000

0-26-5 (OL A)

FORM 3

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

10
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

2-74

YEARS

10
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

[illegible]

PSYCHROMETRIC SUMMARY

7-7.

YEARS

JUL
MONTH

PAGE 1 0400-0500
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

3-70

YEARS

JUL
MONTH

PAGE 1 0600-0600
HOURS (L. S. T.)

[illegible]

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D-26-5 (OL A)

1000

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

July
MONTH

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|-----|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 94/ 93 | | | | | | | | .1 | .1 | | | | | | | | | 2 | 2 | | | | | | |
| 92/ 91 | | | | | | | .1 | .4 | .2 | | | | | | | | | 7 | 7 | | | | | | |
| 90/ 89 | | | | | .4 | 1.0 | 2.0 | .8 | | | | | | | | | | 53 | 50 | | | | | | |
| 88/ 87 | | | | .1 | 3.4 | 9.0 | 4.8 | .2 | | | | | | | | | | 164 | 164 | | | | | | |
| 86/ 85 | | | | | 6.5 | 15.9 | 9.2 | .3 | | | | | | | | | | 297 | 297 | | | | | | |
| 84/ 83 | | | | .3 | 11.3 | 12.0 | 1.4 | 1.0 | .3 | | | | | | | | | 250 | 250 | | | | | | |
| 82/ 81 | | | 2.7 | 5.2 | 2.3 | .6 | .2 | | | | | | | | | | | 137 | 102 | 7 | | | | | |
| 80/ 79 | | .2 | 1.9 | .3 | .2 | | | | | | | | | | | | | 23 | 28 | 190 | 3 | | | | |
| 78/ 77 | | .8 | .3 | .3 | | | | | | | | | | | | | | 14 | 16 | 447 | 75 | | | | |
| 76/ 75 | | .6 | .4 | | | | | | | | | | | | | | | 8 | 8 | 215 | 326 | | | | |
| 74/ 73 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 44 | 322 | | | | |
| 72/ 71 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 22 | 151 | | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 5 | 30 | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | 8 | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | | 2.2 | 5.2 | 4.3 | 4.3 | 22.2 | 9.4 | 1.0 | .1 | | | | | | | | | 930 | 930 | | 330 | | | | |

USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_A | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rel. Hum. | 4657708 | 65440 | 70.4 | 7.552 | 930 | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ |
| Dry Bulb | 6674780 | 78744 | 84.7 | 2.832 | 930 | | | 93.0 | 92.7 | 88.7 | .2 |
| Wet Bulb | 5525000 | 71662 | 77.1 | 1.803 | 930 | | | 93.0 | 90.2 | 3.7 | |
| Dew Point | 5087526 | 68754 | 73.9 | 2.227 | 930 | | | 91.8 | 72.8 | | |

PSYCHROMETRIC SUMMARY

9-7 ;

YEARS

194
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 1250 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

2-7

YEARS

13

MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 96/ 55 | | | | | | | | | .1 | .1 | | | | | | | | 2 | 2 | | | | | |
| 94/ 53 | | | | | | | .3 | .1 | .2 | .2 | | | | | | | | 2 | 2 | | | | | |
| 92/ 51 | | | | | | | .3 | .2 | .3 | .3 | | | | | | | | 19 | 19 | | | | | |
| 90/ 49 | | | | | .2 | 1.0 | 1.2 | .8 | .1 | | | | | | | | | 42 | 42 | | | | | |
| 88/ 47 | | | | .1 | 3.0 | 3.4 | 2.4 | .4 | | | | | | | | | | 133 | 133 | | | | | |
| 86/ 45 | | | .2 | 6.0 | 17.1 | 6.3 | .6 | | | | | | | | | | | 282 | 282 | | | | | |
| 84/ 43 | | | .4 | 9.4 | 6.2 | .0 | .0 | .1 | | | | | | | | | | 164 | 164 | | | | | |
| 82/ 41 | | .2 | 2.0 | 6.3 | 1.9 | .6 | .4 | | | | | | | | | | | 109 | 109 | 13 | | | | |
| 80/ 39 | | .5 | 3.4 | 1.5 | .4 | .1 | | | | | | | | | | | | 56 | 56 | 178 | 3 | | | |
| 78/ 37 | | 1.6 | 2.9 | .9 | .2 | | | | | | | | | | | | | 49 | 49 | 376 | 77 | | | |
| 76/ 35 | .1 | 2.7 | 1.0 | .2 | | | | | | | | | | | | | | 37 | 37 | 213 | 321 | | | |
| 74/ 33 | .3 | 2.2 | .1 | | | | | | | | | | | | | | | 26 | 26 | 106 | 309 | | | |
| 72/ 31 | | .2 | .1 | | | | | | | | | | | | | | | 3 | 3 | 37 | 180 | | | |
| 70/ 29 | | | | | | | | | | | | | | | | | | | | 5 | 47 | | | |
| 68/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 23 | | | |
| 66/ 25 | | | | | | | | | | | | | | | | | | | | | 7 | | | |
| 64/ 23 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| TOTAL | .6 | 7.4 | 9.9 | 24.5 | 29.1 | 18.2 | 6.7 | 2.2 | .3 | .4 | | | | | | | | 930 | 930 | 930 | 930 | | | |

PSYCHROMETRIC SUMMARY.

9-7

YEARS

256
MONTH

PAGE 1 1800-2000
HOURS (L. S. Y.)

[illegible]

0-26-5 (OL A)

USAFETAC FORM 0-26-5 (OLA)
JUL 64

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12003 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

9-7

YEARS

JUL
MONTH

PAGE 1 2100-2500
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

13

USAFETAC

PSYCHROMETRIC SUMMARY

9-7.

YEARS

JUL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AU

MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 82/ 81 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | | | | | |
| 80/ 79 | | 1.4 | 3.3 | 1.4 | .4 | | | | | | | | | | | | | 63 | 63 | | | | | |
| 78/ 77 | | .1 | 12.7 | 0.1 | .9 | | | | | | | | | | | | | 104 | 164 | 20 | | | | |
| 76/ 75 | | .8 | 19.6 | 2.4 | | | | | | | | | | | | | | 210 | 210 | 150 | | | | |
| 74/ 73 | 4.0 | 19.1 | .3 | | | | | | | | | | | | | | | 220 | 220 | 332 | | | | |
| 72/ 71 | 2.4 | 12.9 | .2 | | | | | | | | | | | | | | | 144 | 144 | 194 | | | | |
| 70/ 69 | 1.1 | 8.0 | .2 | | | | | | | | | | | | | | | 86 | 86 | 103 | | | | |
| 68/ 67 | .1 | 1.7 | | | | | | | | | | | | | | | | 19 | 19 | 66 | | | | |
| 66/ 65 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 11 | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| TOTAL | 8.5 | 75.6 | 3.2 | 2.9 | .4 | | | | | | | | | | | | | 930 | 930 | 930 | | | | |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2A)

Room 3

USAFETAC

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12806 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

3-76

YEARS

AUG
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

AUG,
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12802 KSC SHUTTLE APT FL 9-70 AUG
STATION STATION NAME YEARS MONTH
PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 96/ 95 | | | | | | | | .4 | | | | | | | | | | 2 | 2 | | |
| 94/ 93 | | | | | | | | | | .1 | | | | | | | | 1 | 1 | | |
| 92/ 91 | | | | | | .3 | .4 | .6 | .2 | | | | | | | | | 16 | 16 | | |
| 90/ 89 | | | | | .3 | 4.1 | 3.9 | 1.1 | .3 | | | | | | | | | 90 | 90 | | |
| 88/ 87 | | | | .6 | 9.7 | 14.8 | 5.7 | .4 | | .1 | | | | | | | | 292 | 292 | | |
| 86/ 85 | | | | 4.5 | 19.2 | 11.0 | .6 | .2 | | | | | | | | | | 331 | 331 | | |
| 84/ 83 | | | .5 | 5.1 | 5.3 | 1.2 | | | | | | | | | | | | 114 | 114 | | |
| 82/ 81 | | | 1.2 | 2.4 | .9 | .3 | | | | | | | | | | | | 44 | 44 | 19 | |
| 80/ 79 | | .3 | .8 | .2 | | | | | | | | | | | | | | 12 | 12 | 276 | 10 |
| 78/ 77 | .1 | .4 | .3 | | | | | | | | | | | | | | | 8 | 8 | 415 | 123 |
| 76/ 75 | .1 | .9 | .3 | | | | | | | | | | | | | | | 12 | 12 | 170 | 327 |
| 74/ 73 | | .6 | | | | | | | | | | | | | | | | 6 | 6 | 42 | 287 |
| 72/ 71 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 6 | 136 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 2 | 32 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | 12 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | 2 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .2 | 2.5 | 3.1 | 12.8 | 35.6 | 31.7 | 10.6 | 2.7 | .5 | .2 | | | | | | | | 930 | 930 | 930 | 930 |
| Element (X) | Σ x ² | | Σ x | | Σ | Σ x | | Σ x | | Σ x | | Σ x | | Σ x | | Σ x | | Σ x | | Σ x | |
| Rel. Hum. | 4439214 | | 63850 | | 68.7 | 7.732 | | 930 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | |
| Dry Bulb | 6853556 | | 79792 | | 85.8 | 2.855 | | 930 | | | | | | 93.0 | | 92.8 | | 89.8 | | .3 | |
| Wet Bulb | 5597504 | | 72132 | | 77.6 | 1.752 | | 930 | | | | | | 93.0 | | 92.2 | | 10.5 | | | |
| Dew Point | 5132262 | | 69056 | | 74.3 | 2.224 | | 930 | | | | | | 92.7 | | 74.7 | | .2 | | | |
| Total | | | | | | | | | | | | | | | | | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) REVISY PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12862
STATION

KSC SEATTLE APT FL

9-7.

YEARS

4115

MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D-26-5 (OL A)

POEM

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

AUG

MONTH

PAGE 1 1600-2000
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

POWER

USAFÉTAC

PSYCHROMETRIC SUMMARY

YEARS

Aug
 MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

0-7

YEARS

ALL

MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)
MAR 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-7.

YEARS

SEP
MONTH

PAGE 1 0000-0.00
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 82/ 61 | | | .1 | 1.4 | 1.6 | | | | | | | | | | | | | 27 | 27 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | 1.9 | 1.9 | 4.4 | | | | | | | | | | | | | 172 | 172 | 1 | | | | | | | | | | | | | | | |
| 78/ 77 | | | 9.8 | 12.1 | 3.2 | | | | | | | | | | | | | 234 | 234 | 40 | 14 | | | | | | | | | | | | | | |
| 76/ 75 | | .1 | 15.4 | 4.1 | .3 | | | | | | | | | | | | | 193 | 190 | 25.4 | 142 | | | | | | | | | | | | | | |
| 74/ 73 | 1.2 | 12.3 | 2.3 | | | | | | | | | | | | | | | 143 | 143 | 312 | 276 | | | | | | | | | | | | | | |
| 72/ 71 | 1.1 | 6.4 | .3 | .1 | | | | | | | | | | | | | | 97 | 90 | 170 | 232 | | | | | | | | | | | | | | |
| 70/ 69 | .3 | 2.6 | | | | | | | | | | | | | | | | 26 | 26 | 80 | 110 | | | | | | | | | | | | | | |
| 68/ 67 | .1 | 1.2 | | | | | | | | | | | | | | | | 12 | 12 | 21 | 45 | | | | | | | | | | | | | | |
| 66/ 65 | | .4 | | | | | | | | | | | | | | | | 4 | 4 | 7 | 15 | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 3 | 6 | | | | | | | | | | | | | | |
| 62/ 61 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | |
| TOTAL | 3.75 | 2.0 | 22.1 | 9.7 | 1.8 | | | | | | | | | | | | | 900 | 900 | 900 | 900 | | | | | | | | | | | | | | |

USAFETAC
FORM
MAY 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-7

YEARS

S.E.H.

MONTH

PAGE 4 0000-0000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | O.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 62/ 81 | | | | .4 | .2 | | | | | | | | | | | | | 6 | 6 | | | | | | | | | | | | | | | | |
| 50/ 79 | | 1.4 | 0.1 | 3.4 | | | | | | | | | | | | | | 94 | 94 | | | | | | | | | | | | | | | | |
| 78/ 77 | | 0.4 | 7.1 | 2.3 | .4 | | | | | | | | | | | | | 167 | 167 | 22 | 8 | | | | | | | | | | | | | | |
| 76/ 75 | 1.4 | 15.4 | 3.9 | .9 | .2 | | | | | | | | | | | | | 199 | 199 | 187 | 107 | | | | | | | | | | | | | | |
| 74/ 73 | 1.7 | 1.1 | 1.4 | .3 | .2 | | | | | | | | | | | | | 205 | 205 | 302 | 279 | | | | | | | | | | | | | | |
| 72/ 71 | 1.4 | 11.4 | | | | | | | | | | | | | | | | 122 | 122 | 204 | 240 | | | | | | | | | | | | | | |
| 70/ 69 | 1.4 | 0.4 | | | | | | | | | | | | | | | | 71 | 71 | 120 | 166 | | | | | | | | | | | | | | |
| 68/ 67 | .0 | 2.1 | | | | | | | | | | | | | | | | 24 | 24 | 44 | 62 | | | | | | | | | | | | | | |
| 66/ 65 | | .6 | | | | | | | | | | | | | | | | 5 | 5 | 9 | 23 | | | | | | | | | | | | | | |
| 64/ 63 | | .3 | | | | | | | | | | | | | | | | 4 | 3 | 8 | 9 | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 60/ 59 | .4 | .2 | | | | | | | | | | | | | | | | 3 | 4 | 2 | 2 | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 1.121 | 0.160 | 0.192 | 0.7 | 1.4 | | | | | | | | | | | | | | 900 | 900 | 900 | 900 | | | | | | | | | | | | | | |
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USAFETAC FORM 0-26-5 (O/LA)
REV. 4-4-64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

5612

MONTH

PAGE 1 0600-0600
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12802
STATION

KSC SMITHVILLE APT FL
STATION NAME

6-7

YEARS

SEP
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12808
STATION

KSC SHUTTLE APT FL
STATION NAME

9-72

YEARS

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

9-70

SEP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4-7

YEARS

564

MONTH

PAGE 1 2100-2,00
HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

SEP
MONTH

1212
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|--------------|---------------------------|
| <u>1280R</u> | <u>KSC SHUTTLE APT FL</u> |
| STATION | STATION NAME |

9-73

YEARS

50 C T
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

9-7

YEARS

17C 1

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

9-76

YEARS

CCP
MONTH

PAGE 1 0600-0.00
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

5-7:

YEARS

NET
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

9-7

YEARS

1. CT
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

Room 3

USAFETAC

PSYCHROMETRIC SUMMARY

Q-7.

YEARS

6 MONTH

Page 1 1500-1700
HOURS (L. S. T.)[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A001 403

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/A 0/2
KSC SHUTTLE APT, TITUSVILLE, FLORIDA. REVISED UNIFORM SUMMARY 0--ETC(U)

UNCLASSIFIED

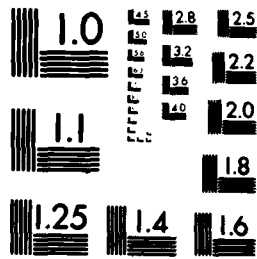
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END
DATE
FIMED
4-80
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

9-7

YEARS

F.C.T
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
1-10-64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

100 MONTH

PAGE 1 2100-2100
HOURS (L. S. T.)

[illegible]

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12803 | KOC SHUTTLE APT FL |
| STATION | STATION NAME |

Q-73

YEARS

ACT
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

2-70

YEARS

NOV
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

Q-72

NLV
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1135
MONTH

PAGE 1 0600-0600
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12862 KSC SHUTTLE APT FL
STATION STATION NAME

09-70

YEARS

ADJ
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|----------------|------|----------------|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 84/ 83 | | | | | .4 | .4 | .1 | | | | | | | | | | | 4 | 4 | | | | | | |
| 82/ 81 | | | | | 1.4 | .4 | .2 | | | | | | | | | | | 23 | 23 | | | | | | |
| 80/ 79 | | | .4 | 3.2 | 2.8 | 2.2 | .3 | | | | | | | | | | | 84 | 84 | | | | | | |
| 78/ 77 | | .4 | 1.2 | 2.3 | 5.3 | 1.8 | 1.3 | | | | | | | | | | | 112 | 112 | | | | | | |
| 76/ 75 | | .9 | 2.3 | 3.9 | 3.0 | 1.3 | .9 | .1 | .1 | .1 | | | | | | | | 114 | 114 | 23 | 4 | | | | |
| 74/ 73 | .1 | 1.3 | 2.1 | 3.1 | 1.7 | 3.0 | 1.1 | .1 | .1 | | | | | | | | | 119 | 119 | 74 | 21 | | | | |
| 72/ 71 | .2 | 1.3 | 3.1 | 2.8 | 1.8 | 1.1 | .6 | | | | | | | | | | | 98 | 98 | 109 | 70 | | | | |
| 70/ 69 | .1 | 2.1 | 2.3 | 1.4 | 1.6 | 1.2 | .4 | .1 | | | | | | | | | | 84 | 84 | 125 | 76 | | | | |
| 68/ 67 | .2 | .8 | 1.4 | 1.1 | .9 | .9 | .9 | .1 | | | | | | | | | | 57 | 57 | 123 | 110 | | | | |
| 66/ 65 | .1 | 1.2 | 1.4 | 1.6 | .8 | .3 | .2 | .1 | .1 | | | | | | | | | 51 | 51 | 95 | 104 | | | | |
| 64/ 63 | | .4 | .8 | 1.2 | 1.0 | .7 | .6 | .1 | .1 | | | | | | | | | 44 | 44 | 80 | 88 | | | | |
| 62/ 61 | | .3 | .2 | .4 | .7 | .3 | .2 | .2 | | | | | | | | | | 22 | 22 | 56 | 76 | | | | |
| 60/ 59 | | .2 | .9 | .8 | .2 | 1.0 | .3 | | | | | | | | | | | 29 | 29 | 50 | 57 | | | | |
| 58/ 57 | | .1 | .3 | .3 | .9 | .3 | | | | | | | | | | | | 15 | 15 | 31 | 37 | | | | |
| 56/ 55 | | .2 | .2 | .4 | .8 | | | | | | | | | | | | | 13 | 13 | 32 | 46 | | | | |
| 54/ 53 | | .2 | .1 | .4 | .3 | | .1 | | | | | | | | | | | 11 | 11 | 21 | 29 | | | | |
| 52/ 51 | | .1 | .1 | .2 | .1 | .1 | | | | | | | | | | | | 6 | 6 | 17 | 23 | | | | |
| 50/ 49 | | .2 | .1 | .1 | .2 | | | | | | | | | | | | | 6 | 6 | 31 | 32 | | | | |
| 48/ 47 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 13 | 14 | | | | |
| 46/ 45 | | | .1 | | .4 | | | | | | | | | | | | | 2 | 2 | 7 | 18 | | | | |
| 44/ 43 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 3 | 16 | | | | |
| 42/ 41 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | 3 | 20 | | | | |
| 40/ 39 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 1 | 12 | | | | |
| 38/ 37 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 1 | 7 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 3 | 5 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 2 | 4 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | .4 | 10.6 | 17.4 | 23.9 | 23.6 | 15.0 | 7.3 | .9 | .4 | .1 | | | | | | | | 900 | 900 | | 900 | | | | |
| | | | | | | | | | | | | | | | | | | 900 | | 900 | | | | | |
| Element (X) | Σ ₁ | | Σ ₂ | | Σ ₃ | | Σ ₄ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | |
| Ref. Num. | 4636975 | | 63491 | | 70.5 | | 13.256 | | 900 | | ≤ 6 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | 90 | | | | | | | | |
| Dry Bulb | 4589065 | | 63927 | | 71.0 | | 7.332 | | 900 | | | | 69.5 | 45.6 | 5.2 | | 90 | | | | | | | | |
| Wet Bulb | 3821216 | | 58244 | | 64.7 | | 7.600 | | 900 | | | | 45.4 | 9.7 | | | 90 | | | | | | | | |
| Dew Point | 3384718 | | 54556 | | 60.8 | | 9.530 | | 900 | | | 1.1 | 28.1 | 2.5 | | | 90 | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12803 KSC SHUTTLE APT FL
STATION STATION NAME

9-72

YEARS

MOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-------|------|------|------|--------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 86/ 85 | | | | | | .1 | .2 | .1 | | | | | | | | | | 4 | 4 | | | | | | |
| 84/ 83 | | | | | .1 | .2 | .1 | .3 | | | | | | | | | | 31 | 31 | | | | | | |
| 82/ 81 | | | | 1.0 | 2.9 | 1.8 | 1.1 | .3 | .2 | | | | | | | | | 71 | 71 | | | | | | |
| 80/ 79 | | | .3 | 1.8 | 5.0 | 6.0 | 1.8 | .9 | | | | | | | | | | 142 | 142 | | | | | | |
| 78/ 77 | | .3 | .9 | 3.0 | 5.0 | 3.4 | 2.9 | .3 | | .1 | | | | | | | | 144 | 144 | 2 | | | | | |
| 76/ 75 | | .4 | .3 | 3.0 | 3.0 | 2.3 | 2.0 | .3 | .3 | .1 | | | | | | | | 112 | 112 | 35 | 6 | | | | |
| 74/ 73 | .3 | .2 | .9 | 1.6 | 1.3 | 2.8 | 2.0 | .6 | .1 | | | | | | | | | 88 | 88 | 97 | 16 | | | | |
| 72/ 71 | | .7 | 1.0 | 1.9 | 1.4 | 1.3 | 1.3 | .7 | .3 | .1 | | | | | | | | 79 | 79 | 107 | 63 | | | | |
| 70/ 69 | .1 | .3 | .2 | .2 | 1.4 | 1.6 | 1.1 | .7 | .3 | | | | | | | | | 56 | 56 | 139 | 50 | | | | |
| 68/ 67 | | .7 | .6 | .9 | .9 | 1.6 | .3 | .4 | .4 | .1 | | | | | | | | 55 | 55 | 106 | 104 | | | | |
| 66/ 65 | | .4 | .2 | .4 | .8 | 1.2 | .3 | .2 | .1 | | | | | | | | | 34 | 34 | 88 | 85 | | | | |
| 64/ 63 | | | .3 | .6 | .2 | 1.1 | .3 | .3 | .1 | .1 | | | | | | | | 28 | 28 | 72 | 101 | | | | |
| 62/ 61 | | .1 | | .3 | .6 | .9 | .1 | .1 | .3 | | | | | | | | | 22 | 22 | 50 | 71 | | | | |
| 60/ 59 | | | .1 | .1 | .4 | .5 | .1 | .1 | | | | | | | | | | 11 | 11 | 49 | 65 | | | | |
| 58/ 57 | | | | .1 | .1 | .3 | .1 | | | | | | | | | | | 5 | 5 | 38 | 49 | | | | |
| 56/ 55 | | | | .1 | .3 | .1 | .1 | | | | | | | | | | | 6 | 6 | 29 | 46 | | | | |
| 54/ 53 | | | .1 | | .1 | | .1 | | | | | | | | | | | 3 | 3 | 24 | 39 | | | | |
| 52/ 51 | | .2 | | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 24 | 33 | | | | |
| 50/ 49 | | .1 | | .1 | | | | | | | | | | | | | | 2 | 2 | 9 | 27 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 12 | 24 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 6 | 17 | | | | |
| 44/ 43 | | | .2 | .1 | | | | | | | | | | | | | | 3 | 3 | 3 | 22 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 2 | 9 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 8 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 6 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 7 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| TOTAL | .4 | 3.6 | 5.4 | 16.0 | 24.3 | 26.6 | 14.8 | 6.0 | 2.3 | .6 | | | | | | | | 900 | 900 | 900 | 900 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X' | | Σ X | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | 3743174 | | 56880 | | 63.2 | | 12.646 | | 900 | | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | |
| Dry Bulb | 4964295 | | 66575 | | 74.0 | | 6.636 | | 900 | | | | 78.2 | 59.2 | 18.1 | | 90 | | | | | | | | |
| Wet Bulb | 3915514 | | 59019 | | 65.6 | | 7.095 | | 900 | | | | 48.6 | 13.4 | | | 90 | | | | | | | | |
| Dew Point | 2344710 | | 34206 | | 60.2 | | 4.430 | | 900 | | | 1.0 | 26.9 | 2.2 | | | 90 | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12800 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

9-711

YEARS

444
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

Q-7:

YEARS

NOV
MONTH

PAGE 1 1800-2200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12800 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

3-7

YEARS

8. NOV
MONTH

PAGE 1 2100-2100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

12858 KSC SHUTTLE APT FL 9-7-77
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|-------|----------|-----------|----------|----------|------------------------------------|-------|--------|--|--------|--|--------|--|--------|--|--------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | | | | | 6 | 8 | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | | | | | | | | 124 | 174 | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | 297 | 297 | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | | | | | | | | | 417 | 417 | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | | | | | | | | | | | 591 | 591 | 79 | 14 | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | | | | | | | | | 747 | 747 | 303 | 110 | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | | | | | | | | | | | 763 | 763 | 603 | 446 | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | 811 | 811 | 803 | 545 | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | 664 | 664 | 623 | 718 | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | 557 | 552 | 737 | 736 | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | 421 | 421 | 782 | 706 | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | 316 | 316 | 550 | 571 | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | 276 | 276 | 429 | 502 | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | 236 | 236 | 366 | 437 | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | 179 | 179 | 299 | 377 | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | 178 | 178 | 204 | 296 | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | 143 | 143 | 200 | 262 | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | 119 | 119 | 213 | 256 | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | 103 | 103 | 108 | 192 | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | 92 | 92 | 140 | 164 | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | 59 | 59 | 121 | 162 | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | 30 | 30 | 75 | 146 | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | 16 | 16 | 40 | 99 | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | 13 | 13 | 11 | 80 | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | 8 | 8 | 11 | 47 | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | 2 | 2 | 11 | 52 | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 12 | 32 | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | | | Σ X | | | | Σ | | | | σ _x | | | | No. Obs. | | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM 34A 44

PSYCHROMETRIC SUMMARY

1280F KOC SHUTTLE APT FL
STATION STATION NA

2-7

YEARS

4.5
MONTH

Page 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

9-7:

YEARS

DEC
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

9-7

YEARS

DEC
MONTH

PAGE 1 0600-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12809 | KSC SEATTLE APT FL |
| STATION | STATION NAME |

9-70

YEARS

DEC

MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-------|------|------|------|--------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 62/ 61 | | | | .4 | .4 | | | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | |
| 80/ 79 | | | | 1.1 | .4 | .2 | | | | | | | | | | | | 18 | 18 | | | | | | | | | | | | | | | |
| 78/ 77 | | | 1.3 | 1.2 | 1.2 | .1 | .1 | | | | | | | | | | | 34 | 36 | | | | | | | | | | | | | | | |
| 76/ 75 | | .9 | 1.2 | 2.1 | 1.0 | 1.7 | .4 | | | | | | | | | | | 77 | 77 | 9 | | | | | | | | | | | | | | |
| 74/ 73 | .1 | .8 | 2.4 | 2.0 | 2.3 | .9 | .2 | .1 | | | | | | | | | | 81 | 81 | 37 | 19 | | | | | | | | | | | | | |
| 72/ 71 | | 2.7 | 3.2 | 1.4 | 2.3 | 1.2 | .2 | | | | | | | | | | | 105 | 105 | 50 | 30 | | | | | | | | | | | | | |
| 70/ 69 | .5 | 2.3 | 4.0 | 2.0 | 1.4 | .9 | .5 | | | | | | | | | | | 108 | 108 | 88 | 59 | | | | | | | | | | | | | |
| 68/ 67 | .3 | 2.6 | 2.3 | 1.2 | 1.4 | .6 | .2 | .1 | | | | | | | | | | 83 | 83 | 90 | 67 | | | | | | | | | | | | | |
| 66/ 65 | .4 | 2.3 | 1.2 | 1.3 | 1.0 | .4 | .2 | .2 | | | | | | | | | | 67 | 67 | 126 | 96 | | | | | | | | | | | | | |
| 64/ 63 | .1 | 1.7 | 1.1 | 1.4 | 1.3 | .2 | .1 | .1 | | | | | | | | | | 58 | 58 | 34 | 71 | | | | | | | | | | | | | |
| 62/ 61 | .1 | 1.6 | .5 | 1.5 | 1.0 | .3 | .2 | .1 | .1 | | | | | | | | | 51 | 51 | 64 | 78 | | | | | | | | | | | | | |
| 60/ 59 | .1 | 1.1 | 1.7 | .3 | .9 | .2 | .1 | .1 | | | | | | | | | | 41 | 41 | 58 | 79 | | | | | | | | | | | | | |
| 58/ 57 | .2 | 1.2 | .6 | .5 | .4 | .4 | .3 | .1 | | | | | | | | | | 36 | 36 | 54 | 52 | | | | | | | | | | | | | |
| 56/ 55 | | 1.3 | 1.5 | 1.2 | .2 | .5 | | | | | | | | | | | | 44 | 44 | 54 | 52 | | | | | | | | | | | | | |
| 54/ 53 | | .2 | .6 | 1.1 | .4 | .2 | .1 | | | | | | | | | | | 26 | 26 | 34 | 46 | | | | | | | | | | | | | |
| 52/ 51 | .1 | .4 | .5 | .6 | .5 | .2 | | | | | | | | | | | | 25 | 25 | 32 | 46 | | | | | | | | | | | | | |
| 50/ 49 | | .1 | .5 | 1.3 | .2 | .2 | | | | | | | | | | | | 23 | 23 | 33 | 32 | | | | | | | | | | | | | |
| 48/ 47 | | .1 | .5 | 1.0 | .4 | .2 | | | | | | | | | | | | 21 | 21 | 26 | 32 | | | | | | | | | | | | | |
| 46/ 45 | | | .1 | .1 | .2 | .1 | | | | | | | | | | | | 7 | 7 | 21 | 27 | | | | | | | | | | | | | |
| 44/ 43 | | | .3 | .5 | .4 | | | | | | | | | | | | | 17 | 12 | 26 | 22 | | | | | | | | | | | | | |
| 42/ 41 | | | .1 | .2 | | | | | | | | | | | | | | 4 | 4 | 15 | 14 | | | | | | | | | | | | | |
| 40/ 39 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 12 | 21 | | | | | | | | | | | | | |
| 38/ 37 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 9 | 16 | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 8 | 17 | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| TOTAL | 2.0 | 19.1 | 24.7 | 24.1 | 17.6 | 8.7 | 2.7 | .9 | .1 | | | | | | | | | 930 | 930 | | 930 | | | | | | | | | | | | | |
| Element (X) | Σ x ² | | Σ x | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 5278997 | | 68805 | | 74.0 | | 14.246 | | 930 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | |
| Dry Bulb | 4080320 | | 61058 | | 65.7 | | 6.782 | | 930 | | | | | | 51.3 | | 21.7 | | 1.2 | | | | 93 | | | | | | | | | | | |
| Wet Bulb | 3492539 | | 56359 | | 60.6 | | 9.111 | | 930 | | | | | | 27.4 | | 4.6 | | | | | | 93 | | | | | | | | | | | |
| Dew Point | 3117878 | | 52788 | | 56.8 | | 11.201 | | 930 | | | | 4.0 | | 17.5 | | 1.9 | | | | | | 93 | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

9-7.

YEARS

DEC
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------------|-----|-----|-----|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 84/ 83 | | | | .1 | .4 | .4 | .4 | | | | | | | | | | | 11 | 11 | | | | | |
| 82/ 81 | | | | .5 | 1.3 | .4 | .2 | .1 | .1 | | | | | | | | | 25 | 25 | | | | | |
| 80/ 79 | | | .4 | 1.6 | 2.0 | 1.3 | .4 | .4 | .1 | | | | | | | | | 59 | 59 | | | | | |
| 78/ 77 | | | .6 | 1.0 | 4.4 | 1.1 | 1.2 | .1 | | | | | | | | | | 78 | 78 | | | | | |
| 76/ 75 | | | .8 | 3.4 | 5.4 | 3.2 | 1.6 | .3 | .1 | | | | | | | | | 138 | 138 | 20 | | | | |
| 74/ 73 | | .1 | 1.2 | 1.7 | 2.7 | 2.3 | .4 | .1 | | | | | | | | | | 63 | 83 | 43 | | | | |
| 72/ 71 | | 1.0 | 1.7 | 1.9 | 2.6 | 1.4 | 1.4 | .2 | | | | | | | | | | 99 | 99 | 48 | | | | |
| 70/ 69 | .2 | 1.3 | 1.4 | 1.3 | 1.3 | 1.6 | 1.1 | .4 | | .3 | | | | | | | | 85 | 85 | 119 | | | | |
| 68/ 67 | | .4 | 1.3 | .5 | 1.3 | 1.3 | .3 | .4 | .3 | | | | | | | | | 62 | 62 | 110 | | | | |
| 66/ 65 | | .6 | .6 | .3 | 2.7 | 1.0 | .6 | .4 | 1.0 | .1 | | | | | | | | 69 | 69 | 106 | | | | |
| 64/ 63 | .1 | 1.0 | .2 | .8 | .6 | .4 | .3 | .6 | .1 | | | | | | | | | 39 | 39 | 81 | | | | |
| 62/ 61 | | .3 | | .5 | 1.3 | .3 | .1 | .5 | | | | | | | | | | 33 | 33 | 56 | | | | |
| 60/ 59 | | .4 | .5 | .1 | 2.0 | .4 | .1 | .3 | .2 | | | | | | | | | 41 | 41 | 70 | | | | |
| 58/ 57 | | .2 | | .6 | 1.2 | .4 | .3 | | | | | | | | | | | 29 | 29 | 44 | | | | |
| 56/ 55 | | .6 | .1 | .8 | .3 | .4 | .4 | | | | | | | | | | | 27 | 27 | 33 | | | | |
| 54/ 53 | | | .1 | 1.0 | .5 | .2 | .1 | .2 | .1 | | | | | | | | | 21 | 21 | 42 | | | | |
| 52/ 51 | | | | .8 | .3 | | .3 | .1 | | | | | | | | | | 16 | 16 | 43 | | | | |
| 50/ 49 | | .2 | | .4 | .2 | .2 | | | | | | | | | | | | 10 | 10 | 30 | | | | |
| 48/ 47 | | | | | .2 | .2 | .1 | | | | | | | | | | | 5 | 5 | 32 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 24 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 11 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 6 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | | | | \bar{X} | σ_X | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | ≤ 6 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

1000

USAFETAC

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 12868 | KSC SHUTTLE APT FL |
| STATION | STATION NAME |

49-76

YEARS

DEC
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| TEMP. | .3 | 6.2 | 9.2 | 17.4 | 31.4 | 17.7 | 10.0 | 4.0 | 2.0 | .4 | | | | | | | | 930 | 930 | 930 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
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GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAO

PSYCHROMETRIC SUMMARY

STATION 12H03 KSC SHUTTLE ART FL STATION NAME 9-7 YEARS REC MONTH 1500-1700
PAGE 1 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|----------------|----------|-------|-------|------------------------------------|--------|--------|--------|--------|--------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|-----|----|----|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 85/ 85 | | | | | | | | .1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | .2 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | .4 | .4 | .1 | .3 | .2 | .1 | | | | | | | | | 13 | | | | | | | | | | | | | | | | 18 | | |
| 80/ 79 | | | .1 | .8 | .5 | .2 | .2 | .1 | | .1 | | | | | | | | 22 | | | | | | | | | | | | | | | | 22 | | |
| 78/ 77 | | | 1.2 | 1.5 | 2.4 | 1.0 | .3 | | .1 | | | | | | | | | 60 | | | | | | | | | | | | | | | 60 | 1 | | |
| 76/ 75 | | .4 | 1.8 | 2.4 | 2.6 | .8 | .5 | .1 | | | | | | | | | | 78 | | | | | | | | | | | | | | | 78 | 11 | 1 | |
| 74/ 73 | | .8 | 2.6 | 4.3 | 1.8 | 1.6 | .6 | .1 | | | | | | | | | | 109 | | | | | | | | | | | | | | | 109 | 33 | 11 | |
| 72/ 71 | | 1.2 | 4.3 | 2.3 | 3.0 | .4 | .4 | .1 | | .1 | | | | | | | | 112 | | | | | | | | | | | | | | | 112 | 55 | 31 | |
| 70/ 69 | | 1.9 | 3.2 | 2.7 | 2.3 | 1.1 | 1.0 | .1 | .5 | .1 | | | | | | | | 120 | | | | | | | | | | | | | | | 120 | 98 | 53 | |
| 68/ 67 | | 1.0 | 2.2 | 1.2 | 1.4 | 1.3 | .1 | .2 | .3 | .4 | | | | | | | | 75 | | | | | | | | | | | | | | | 75 | 133 | 87 | |
| 66/ 65 | | .9 | 1.1 | 1.3 | 1.6 | .3 | .3 | .1 | .4 | | | | | | | | | 64 | | | | | | | | | | | | | | | 64 | 88 | 85 | |
| 64/ 63 | | 1.1 | .8 | 1.7 | .9 | .8 | .2 | .2 | .1 | | | | | | | | | 52 | | | | | | | | | | | | | | | 52 | 96 | 82 | |
| 62/ 61 | | .8 | .3 | 1.4 | 1.1 | .1 | .5 | .1 | .2 | | | | | | | | | 43 | | | | | | | | | | | | | | | 43 | 54 | 86 | |
| 60/ 59 | | 1.0 | .3 | 1.2 | 1.6 | 1.1 | .9 | .1 | .1 | | | | | | | | | 60 | | | | | | | | | | | | | | | 60 | 61 | 69 | |
| 58/ 57 | | .2 | .3 | .8 | 1.3 | .6 | .2 | .1 | .1 | | | | | | | | | 33 | | | | | | | | | | | | | | | 33 | 55 | 54 | |
| 56/ 55 | | .2 | .1 | 1.0 | 1.2 | .2 | .2 | .2 | .2 | | | | | | | | | 31 | | | | | | | | | | | | | | | 31 | 46 | 40 | |
| 54/ 53 | | .1 | | 1.0 | .4 | .2 | .1 | .2 | | | | | | | | | | 19 | | | | | | | | | | | | | | | 19 | 35 | 53 | |
| 52/ 51 | | .1 | | .4 | .2 | .2 | .1 | | | | | | | | | | | 13 | | | | | | | | | | | | | | | 13 | 36 | 36 | |
| 50/ 49 | | | .1 | .3 | .2 | .4 | | | | | | | | | | | | 10 | | | | | | | | | | | | | | | 10 | 45 | 39 | |
| 48/ 47 | | | .2 | .2 | .2 | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | 4 | 37 | 26 | |
| 46/ 45 | | .1 | | | .1 | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 2 | 11 | 21 | |
| 44/ 43 | | .2 | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 2 | 15 | 25 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 25 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 30 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Element (X) | Σ X ² | | | Σ X | | | Σ | σ _x | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

6099
USAFETAC FORM 0-26-5 (OL A) JAN 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

Q-7

YEARS

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

2-7.

YEARS

DEC
MONTH

PAGE 1 2100-2400
HOURS (L. S. T.)

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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

9-7

YEARS

261
MONTH

PAGE 1

ALL
HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|------------|------|-----------|----------|----------|-----------|------------------------------------|--------|--------|--------|--------|--------|-------|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 55/ 35 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | |
| 54/ 33 | | | | | | | | | | | | | | | | | | 13 | 13 | | | | | | | | | | | | | | | |
| 52/ 31 | | | | | | | | | | | | | | | | | | 49 | 48 | | | | | | | | | | | | | | | |
| 50/ 29 | | | | | | | | | | | | | | | | | | 100 | 100 | | | | | | | | | | | | | | | |
| 48/ 27 | | | | | | | | | | | | | | | | | | 177 | 177 | | | | | | | | | | | | | | | |
| 46/ 25 | | | | | | | | | | | | | | | | | | 329 | 329 | | | | | | | | | | | | | | | |
| 44/ 23 | | | | | | | | | | | | | | | | | | 397 | 397 | | | | | | | | | | | | | | | |
| 42/ 21 | | | | | | | | | | | | | | | | | | 596 | 596 | | | | | | | | | | | | | | | |
| 40/ 19 | | | | | | | | | | | | | | | | | | 619 | 619 | | | | | | | | | | | | | | | |
| 38/ 17 | | | | | | | | | | | | | | | | | | 675 | 675 | | | | | | | | | | | | | | | |
| 36/ 15 | | | | | | | | | | | | | | | | | | 631 | 631 | | | | | | | | | | | | | | | |
| 34/ 13 | | | | | | | | | | | | | | | | | | 533 | 533 | | | | | | | | | | | | | | | |
| 32/ 11 | | | | | | | | | | | | | | | | | | 427 | 427 | | | | | | | | | | | | | | | |
| 30/ 9 | | | | | | | | | | | | | | | | | | 450 | 450 | | | | | | | | | | | | | | | |
| 28/ 7 | | | | | | | | | | | | | | | | | | 346 | 346 | | | | | | | | | | | | | | | |
| 26/ 5 | | | | | | | | | | | | | | | | | | 336 | 336 | | | | | | | | | | | | | | | |
| 24/ 3 | | | | | | | | | | | | | | | | | | 264 | 264 | | | | | | | | | | | | | | | |
| 22/ 1 | | | | | | | | | | | | | | | | | | 259 | 259 | | | | | | | | | | | | | | | |
| 20/ 0 | | | | | | | | | | | | | | | | | | 204 | 204 | | | | | | | | | | | | | | | |
| 18/ 0 | | | | | | | | | | | | | | | | | | 174 | 174 | | | | | | | | | | | | | | | |
| 16/ 0 | | | | | | | | | | | | | | | | | | 155 | 155 | | | | | | | | | | | | | | | |
| 14/ 0 | | | | | | | | | | | | | | | | | | 162 | 162 | | | | | | | | | | | | | | | |
| 12/ 0 | | | | | | | | | | | | | | | | | | 110 | 110 | | | | | | | | | | | | | | | |
| 10/ 0 | | | | | | | | | | | | | | | | | | 96 | 96 | | | | | | | | | | | | | | | |
| 8/ 0 | | | | | | | | | | | | | | | | | | 52 | 52 | | | | | | | | | | | | | | | |
| 6/ 0 | | | | | | | | | | | | | | | | | | 38 | 38 | | | | | | | | | | | | | | | |
| 4/ 0 | | | | | | | | | | | | | | | | | | 29 | 29 | | | | | | | | | | | | | | | |
| 2/ 0 | | | | | | | | | | | | | | | | | | 12 | 12 | | | | | | | | | | | | | | | |
| 0/ 0 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | | | | ΣX | | | | | \bar{X} | | | | | σ_X | | | | | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

6101 -

PSYCHROMETRIC SUMMARY

9-72

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1200 KAC SEATTLE APT FL
STATION STATION NAME

9-7

YEARS

442
MONTH

part i

HOURS (L, S, Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|------|-----------|----------|----------|-----------|--|--|--|--|------------------------------------|--|--------|--|--------|--|--------|-------|--------|--|--------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | |
| 96/ 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ¹ | | | | | Σ X | | | | | X̄ | | | | | σ _A | | | | | No. Obs. | | | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

2-7

YEARS

ALL
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12868

KSC SHUTTLE APT FL

69-79

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | |
|-----------|-----------|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
| HRS LST | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | | | | | | | | | | | |
| 00-02 | MEAN | 57.1 | 55.3 | 62.3 | 65.8 | 70.8 | 74.3 | 75.4 | 75.5 | 75.9 | 71.7 | 64.0 | 59.1 | 67.3 | | | | | | | | | | | |
| | S D | 10.328 | 9.702 | 7.289 | 7.074 | 4.322 | 3.365 | 3.074 | 2.855 | 3.136 | 6.411 | 8.876 | 9.930 | 10.048 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 846 | 930 | 899 | 929 | 900 | 930 | 929 | 900 | 930 | 900 | 930 | 10952 | | | | | | | | | | | |
| 03-05 | MEAN | 55.9 | 54.3 | 60.8 | 64.2 | 69.1 | 72.9 | 74.1 | 74.4 | 74.5 | 70.7 | 62.9 | 58.3 | 66.1 | | | | | | | | | | | |
| | S D | 10.374 | 9.759 | 7.453 | 7.435 | 4.706 | 3.485 | 3.077 | 2.955 | 3.292 | 6.392 | 8.727 | 9.712 | 10.016 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 844 | 928 | 900 | 930 | 900 | 930 | 930 | 900 | 929 | 900 | 930 | 10950 | | | | | | | | | | | |
| 06-08 | MEAN | 55.3 | 54.1 | 61.5 | 66.7 | 72.7 | 76.9 | 77.9 | 77.5 | 76.5 | 71.8 | 63.2 | 58.1 | 67.8 | | | | | | | | | | | |
| | S D | 10.729 | 10.089 | 7.701 | 7.128 | 4.955 | 4.254 | 4.205 | 4.160 | 4.008 | 6.280 | 8.548 | 9.994 | 11.248 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 928 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10954 | | | | | | | | | | | |
| 09-11 | MEAN | 62.8 | 62.7 | 70.2 | 74.9 | 79.7 | 83.3 | 84.7 | 84.5 | 83.5 | 78.4 | 71.0 | 65.7 | 75.2 | | | | | | | | | | | |
| | S D | 10.770 | 8.926 | 6.619 | 4.932 | 3.250 | 3.173 | 2.832 | 2.557 | 2.620 | 4.375 | 7.332 | 8.781 | 10.134 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 | | | | | | | | | | | |
| 12-14 | MEAN | 67.2 | 66.8 | 73.6 | 77.4 | 81.1 | 84.4 | 85.9 | 85.8 | 84.8 | 80.1 | 74.0 | 69.6 | 77.6 | | | | | | | | | | | |
| | S D | 10.072 | 8.697 | 6.676 | 5.261 | 3.995 | 3.707 | 3.579 | 2.855 | 2.772 | 4.064 | 6.636 | 7.944 | 9.124 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 | | | | | | | | | | | |
| 15-17 | MEAN | 66.2 | 65.9 | 72.3 | 76.1 | 79.3 | 82.3 | 83.8 | 83.5 | 82.9 | 78.2 | 72.1 | 68.1 | 76.0 | | | | | | | | | | | |
| | S D | 9.380 | 8.216 | 6.360 | 5.191 | 4.038 | 4.056 | 4.044 | 3.697 | 3.029 | 3.781 | 6.378 | 7.516 | 8.721 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 929 | 899 | 930 | 900 | 930 | 930 | 900 | 930 | 899 | 930 | 10953 | | | | | | | | | | | |
| 18-20 | MEAN | 60.7 | 60.0 | 66.9 | 70.9 | 75.1 | 78.4 | 79.7 | 79.5 | 78.9 | 73.9 | 66.3 | 62.0 | 71.1 | | | | | | | | | | | |
| | S D | 9.418 | 8.620 | 6.474 | 5.338 | 3.564 | 3.556 | 3.368 | 3.039 | 2.483 | 4.702 | 7.657 | 9.102 | 9.480 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 846 | 925 | 898 | 927 | 900 | 930 | 929 | 900 | 930 | 900 | 928 | 10942 | | | | | | | | | | | |
| 21-23 | MEAN | 58.4 | 56.6 | 64.0 | 67.6 | 72.4 | 75.9 | 76.8 | 76.8 | 77.1 | 72.5 | 64.7 | 60.2 | 68.6 | | | | | | | | | | | |
| | S D | 10.284 | 9.810 | 7.018 | 6.709 | 3.902 | 3.121 | 2.955 | 2.693 | 2.654 | 5.949 | 8.558 | 10.131 | 9.975 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 927 | 900 | 927 | 900 | 930 | 930 | 899 | 930 | 900 | 926 | 10945 | | | | | | | | | | | |
| ALL HOURS | MEAN | 60.4 | 59.5 | 66.5 | 70.5 | 75.0 | 78.6 | 79.8 | 79.7 | 79.3 | 74.7 | 67.3 | 62.6 | 71.2 | | | | | | | | | | | |
| | S D | 11.039 | 10.433 | 8.420 | 7.828 | 4.899 | 5.406 | 5.434 | 5.172 | 4.768 | 6.353 | 8.902 | 10.119 | 10.713 | | | | | | | | | | | |
| | TOTAL OBS | 7437 | 6766 | 7427 | 7198 | 7433 | 7200 | 7440 | 7438 | 7199 | 7439 | 7199 | 7434 | 87408 | | | | | | | | | | | |



USAFETAC FORM 0.89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WFT-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12868 KSC SHUTTLE APT FL

69-79

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | |
|-----------|-----------|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
| HRS LST: | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | | | | | | | | | | | |
| 00-02 | MEAN | 54.9 | 53.0 | 59.5 | 62.3 | 67.8 | 72.1 | 73.3 | 73.6 | 73.3 | 68.0 | 61.1 | 56.6 | 64.7 | | | | | | | | | | | |
| | S D | 10.761 | 9.928 | 7.743 | 7.113 | 4.482 | 2.745 | 2.479 | 2.251 | 2.411 | 6.062 | 8.823 | 9.895 | 10.087 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 846 | 930 | 899 | 929 | 900 | 930 | 929 | 900 | 930 | 900 | 930 | 10952 | | | | | | | | | | | |
| 03-05 | MEAN | 54.0 | 52.3 | 58.6 | 61.5 | 66.9 | 71.2 | 72.4 | 72.8 | 72.5 | 67.4 | 60.3 | 56.1 | 63.9 | | | | | | | | | | | |
| | S D | 10.829 | 10.037 | 7.880 | 7.389 | 4.773 | 3.036 | 2.639 | 2.441 | 2.649 | 6.051 | 8.777 | 9.721 | 10.115 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 844 | 928 | 900 | 930 | 900 | 930 | 930 | 900 | 929 | 900 | 930 | 10950 | | | | | | | | | | | |
| 06-08 | MEAN | 53.4 | 52.1 | 59.0 | 63.0 | 69.0 | 73.6 | 74.8 | 74.7 | 73.8 | 68.2 | 60.6 | 55.9 | 64.9 | | | | | | | | | | | |
| | S D | 11.164 | 10.389 | 8.124 | 6.907 | 4.490 | 2.928 | 2.829 | 2.791 | 2.876 | 5.893 | 8.600 | 10.080 | 10.833 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 928 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10954 | | | | | | | | | | | |
| 09-11 | MEAN | 58.3 | 57.2 | 63.1 | 66.1 | 71.2 | 75.5 | 77.1 | 77.4 | 76.5 | 71.1 | 64.7 | 60.6 | 68.3 | | | | | | | | | | | |
| | S D | 11.231 | 9.365 | 7.334 | 5.636 | 3.702 | 2.127 | 1.803 | 1.643 | 2.028 | 4.802 | 7.600 | 9.111 | 9.613 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 | | | | | | | | | | | |
| 12-14 | MEAN | 59.9 | 58.6 | 64.0 | 66.7 | 71.6 | 75.9 | 77.2 | 77.6 | 76.8 | 71.4 | 65.6 | 62.0 | 69.0 | | | | | | | | | | | |
| | S D | 10.394 | 8.854 | 7.003 | 5.584 | 3.854 | 2.198 | 1.982 | 1.752 | 1.959 | 4.777 | 7.095 | 8.416 | 9.037 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 | | | | | | | | | | | |
| 15-17 | MEAN | 59.5 | 58.3 | 63.7 | 66.4 | 71.2 | 75.3 | 76.7 | 76.9 | 76.2 | 70.9 | 65.0 | 61.6 | 68.5 | | | | | | | | | | | |
| | S D | 9.947 | 8.524 | 6.746 | 5.471 | 3.763 | 2.361 | 2.172 | 1.994 | 1.974 | 4.525 | 7.085 | 8.288 | 8.854 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 929 | 899 | 930 | 900 | 930 | 930 | 900 | 930 | 899 | 930 | 10953 | | | | | | | | | | | |
| 18-20 | MEAN | 57.2 | 56.1 | 62.0 | 65.1 | 69.9 | 74.0 | 75.3 | 75.4 | 74.7 | 69.1 | 62.5 | 58.8 | 66.7 | | | | | | | | | | | |
| | S D | 10.291 | 9.031 | 7.034 | 5.899 | 3.860 | 2.346 | 2.139 | 1.935 | 1.929 | 5.087 | 7.974 | 9.404 | 9.425 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 846 | 925 | 898 | 927 | 900 | 930 | 929 | 900 | 930 | 900 | 928 | 10962 | | | | | | | | | | | |
| 21-23 | MEAN | 55.7 | 53.8 | 60.7 | 63.4 | 68.8 | 72.9 | 74.1 | 74.3 | 73.9 | 68.4 | 61.5 | 57.4 | 65.5 | | | | | | | | | | | |
| | S D | 10.803 | 10.016 | 7.589 | 6.883 | 4.164 | 2.393 | 2.220 | 1.995 | 2.105 | 5.803 | 8.609 | 10.177 | 9.991 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 927 | 900 | 927 | 900 | 930 | 930 | 899 | 930 | 900 | 926 | 10965 | | | | | | | | | | | |
| ALL HOURS | MEAN | 56.6 | 55.2 | 61.3 | 64.3 | 69.6 | 73.8 | 75.1 | 75.3 | 74.7 | 69.3 | 62.7 | 58.6 | 66.4 | | | | | | | | | | | |
| | S D | 10.930 | 9.857 | 7.715 | 6.668 | 4.455 | 2.995 | 2.844 | 2.717 | 2.713 | 5.603 | 8.341 | 9.689 | 9.935 | | | | | | | | | | | |
| | TOTAL OBS | 7437 | 6766 | 7427 | 7196 | 7433 | 7200 | 7440 | 7438 | 7199 | 7439 | 7199 | 7436 | 87608 | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12868 KSC SHUTTLE APT FL

69-79

| STATION | STATION NAME | | | | | | | | | | | | YEARS |
|-----------|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| HRS LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 00-02 | MEAN 52.9 | 50.9 | 57.4 | 60.0 | 66.2 | 71.1 | 72.5 | 72.8 | 72.3 | 66.0 | 59.0 | 54.7 | 63.1 |
| | S D 12.354 | 11.118 | 9.069 | 8.025 | 5.227 | 2.785 | 2.524 | 2.280 | 2.519 | 6.749 | 9.798 | 10.844 | 11.022 |
| | TOTAL OBS 929 | 846 | 930 | 899 | 929 | 900 | 930 | 929 | 900 | 930 | 900 | 930 | 10952 |
| 03-05 | MEAN 52.2 | 50.5 | 56.8 | 59.6 | 65.6 | 70.4 | 71.8 | 72.2 | 71.7 | 65.6 | 58.5 | 54.4 | 62.5 |
| | S D 12.445 | 11.312 | 9.110 | 8.175 | 5.291 | 3.059 | 2.711 | 2.472 | 2.721 | 6.701 | 9.801 | 10.655 | 11.023 |
| | TOTAL OBS 929 | 844 | 928 | 900 | 930 | 900 | 930 | 930 | 900 | 929 | 900 | 930 | 10950 |
| 06-08 | MEAN 51.7 | 50.2 | 57.1 | 60.6 | 67.0 | 72.2 | 73.5 | 73.6 | 72.8 | 66.2 | 58.8 | 54.2 | 63.2 |
| | S D 12.770 | 11.703 | 9.468 | 7.882 | 5.143 | 2.869 | 2.670 | 2.592 | 2.773 | 6.648 | 9.643 | 11.150 | 11.605 |
| | TOTAL OBS 930 | 846 | 928 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10954 |
| 09-11 | MEAN 54.4 | 52.4 | 58.1 | 60.6 | 66.9 | 72.2 | 73.9 | 74.5 | 73.6 | 67.2 | 60.6 | 56.8 | 64.3 |
| | S D 13.877 | 12.079 | 9.964 | 8.030 | 5.328 | 2.599 | 2.227 | 2.050 | 2.548 | 6.368 | 9.530 | 11.201 | 11.268 |
| | TOTAL OBS 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 |
| 12-14 | MEAN 54.0 | 51.9 | 57.5 | 60.2 | 66.8 | 72.3 | 73.7 | 74.3 | 73.5 | 66.9 | 60.2 | 56.5 | 64.0 |
| | S D 13.790 | 11.991 | 9.911 | 8.150 | 5.626 | 2.730 | 2.455 | 2.224 | 2.501 | 6.734 | 9.430 | 11.207 | 11.378 |
| | TOTAL OBS 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 |
| 15-17 | MEAN 54.1 | 51.9 | 57.8 | 60.4 | 67.1 | 72.3 | 73.8 | 74.1 | 73.3 | 66.9 | 60.4 | 56.7 | 64.1 |
| | S D 13.503 | 11.759 | 9.750 | 8.170 | 5.437 | 2.797 | 2.385 | 2.213 | 2.392 | 6.365 | 9.464 | 11.183 | 11.235 |
| | TOTAL OBS 930 | 846 | 929 | 899 | 930 | 900 | 930 | 930 | 900 | 930 | 899 | 930 | 10953 |
| 18-20 | MEAN 54.2 | 52.6 | 58.5 | 61.2 | 67.1 | 72.0 | 73.6 | 73.8 | 73.0 | 66.5 | 59.9 | 56.3 | 64.1 |
| | S D 12.695 | 11.074 | 9.241 | 7.786 | 5.375 | 2.652 | 2.260 | 2.094 | 2.317 | 6.295 | 9.330 | 10.790 | 10.809 |
| | TOTAL OBS 929 | 846 | 925 | 898 | 927 | 900 | 930 | 929 | 900 | 930 | 900 | 928 | 10942 |
| 21-23 | MEAN 53.3 | 51.4 | 58.3 | 60.6 | 66.8 | 71.5 | 73.0 | 73.2 | 72.6 | 66.0 | 59.2 | 55.2 | 63.5 |
| | S D 12.563 | 11.381 | 9.117 | 8.081 | 5.152 | 2.607 | 2.341 | 2.139 | 2.434 | 6.699 | 9.717 | 11.280 | 11.055 |
| | TOTAL OBS 930 | 846 | 927 | 900 | 927 | 900 | 930 | 930 | 899 | 930 | 900 | 926 | 10945 |
| ALL HOURS | MEAN 53.3 | 51.5 | 57.7 | 60.4 | 66.7 | 71.7 | 73.2 | 73.6 | 72.9 | 66.4 | 59.6 | 55.6 | 63.6 |
| | S D 13.041 | 11.581 | 9.471 | 8.048 | 5.344 | 2.836 | 2.544 | 2.376 | 2.599 | 6.590 | 9.616 | 11.082 | 11.193 |
| | TOTAL OBS 7437 | 6766 | 7427 | 7196 | 7433 | 7200 | 7460 | 7438 | 7199 | 7439 | 7199 | 7424 | 87408 |



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868 KSC SHUTTLE Apt FL

70-79

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-02 | 100.0 | 100.0 | 100.0 | 99.9 | 98.6 | 94.3 | 86.7 | 74.7 | 46.7 | 86.2 | 929 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.7 | 98.7 | 95.5 | 88.8 | 77.0 | 53.5 | 87.6 | 929 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 98.9 | 96.2 | 88.0 | 77.8 | 54.6 | 87.9 | 930 |
| | 09-11 | 100.0 | 100.0 | 99.1 | 97.7 | 93.0 | 81.7 | 66.3 | 40.8 | 15.6 | 75.0 | 930 |
| | 12-14 | 100.0 | 99.7 | 96.3 | 91.8 | 84.0 | 64.3 | 33.4 | 13.8 | 4.1 | 64.3 | 930 |
| | 15-17 | 100.0 | 99.4 | 96.2 | 92.5 | 83.8 | 67.2 | 45.4 | 21.7 | 4.2 | 66.8 | 930 |
| | 18-20 | 100.0 | 99.9 | 99.6 | 98.3 | 95.3 | 88.3 | 77.3 | 60.8 | 23.4 | 80.2 | 929 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 99.6 | 96.7 | 92.3 | 83.3 | 68.6 | 39.8 | 83.8 | 930 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 98.9 | 97.4 | 93.6 | 85.0 | 71.2 | 54.4 | 30.2 | 79.0 | 7437 |

USAFETAC

FORM
AIR 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | 100.0 | 100.0 | 100.0 | 99.6 | 99.2 | 95.9 | 86.9 | 73.8 | 43.6 | 85.6 | 846 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.5 | 98.9 | 96.4 | 90.9 | 78.1 | 50.6 | 87.2 | 844 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.8 | 98.8 | 96.1 | 91.0 | 76.7 | 47.6 | 87.0 | 846 |
| | 09-11 | 100.0 | 100.0 | 99.3 | 96.3 | 87.9 | 72.9 | 51.7 | 28.7 | 10.4 | 70.4 | 846 |
| | 12-14 | 100.0 | 100.0 | 97.6 | 89.8 | 74.3 | 48.0 | 24.7 | 11.3 | 3.7 | 60.4 | 846 |
| | 15-17 | 100.0 | 99.8 | 97.4 | 90.1 | 74.5 | 54.4 | 34.0 | 16.9 | 3.9 | 62.6 | 846 |
| | 18-20 | 100.0 | 100.0 | 99.5 | 98.7 | 94.7 | 85.6 | 70.3 | 50.1 | 15.6 | 77.4 | 846 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.6 | 98.6 | 93.0 | 83.0 | 67.0 | 33.5 | 83.2 | 846 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.2 | 96.7 | 90.9 | 80.3 | 66.6 | 50.3 | 26.1 | 76.7 | 6766 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868
STATION

KSC SHUTTLE Apt FL
STATION NAME

70-79
PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | 100.0 | 100.0 | 100.0 | 99.8 | 98.8 | 94.4 | 85.7 | 71.9 | 34.6 | 84.3 | 930 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.8 | 99.4 | 96.1 | 89.1 | 76.9 | 50.6 | 87.2 | 928 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 94.0 | 86.1 | 74.9 | 47.4 | 86.1 | 928 |
| | 09-11 | 100.0 | 100.0 | 99.4 | 94.9 | 86.8 | 64.4 | 42.3 | 19.7 | 3.3 | 66.6 | 930 |
| | 12-14 | 100.0 | 99.9 | 98.1 | 89.2 | 71.5 | 44.1 | 20.5 | 5.6 | 2.0 | 58.5 | 930 |
| | 15-17 | 100.0 | 99.6 | 97.6 | 91.0 | 77.0 | 53.8 | 32.9 | 11.5 | 2.7 | 62.0 | 929 |
| | 18-20 | 100.0 | 100.0 | 99.4 | 97.8 | 93.4 | 83.2 | 66.6 | 46.5 | 11.0 | 75.5 | 925 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.8 | 98.3 | 93.0 | 81.1 | 64.3 | 26.8 | 82.1 | 927 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 99.3 | 96.5 | 90.5 | 77.9 | 63.0 | 46.4 | 22.3 | 75.3 | 7427 |

RELATIVE HUMIDITY

APR
MON

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.1 | 94.7 | 81.5 | 65.5 | 23.0 | 82.1 | 899 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 95.3 | 86.6 | 75.2 | 40.0 | 85.3 | 900 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 89.8 | 78.2 | 63.9 | 30.1 | 81.5 | 900 |
| | 09-11 | 100.0 | 100.0 | 99.1 | 94.8 | 81.8 | 52.7 | 27.6 | 8.6 | 1.6 | 62.2 | 900 |
| | 12-14 | 100.0 | 100.0 | 98.1 | 90.9 | 66.6 | 34.9 | 13.8 | 4.2 | 1.7 | 56.7 | 900 |
| | 15-17 | 100.0 | 99.9 | 97.9 | 91.1 | 73.2 | 47.1 | 24.8 | 6.6 | 2.0 | 59.7 | 899 |
| | 18-20 | 100.0 | 100.0 | 99.8 | 98.6 | 94.3 | 79.4 | 57.6 | 35.4 | 5.5 | 72.5 | 898 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 99.7 | 98.9 | 91.8 | 73.4 | 53.9 | 13.0 | 79.0 | 900 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.4 | 96.9 | 88.9 | 73.2 | 53.4 | 39.2 | 14.6 | 72.4 | 7196 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868
STATION

KSC SHUTTLE APT FL
STATION NAME

70-79
PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 92.6 | 75.2 | 34.2 | 85.7 | 929 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.8 | 95.2 | 85.7 | 48.6 | 88.6 | 930 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.6 | 84.6 | 64.4 | 25.6 | 82.9 | 930 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.0 | 91.7 | 66.9 | 33.2 | 6.7 | .8 | 65.5 | 930 |
| | 12-14 | 100.0 | 100.0 | 99.6 | 96.5 | 87.3 | 54.4 | 22.5 | 6.3 | 1.5 | 62.6 | 930 |
| | 15-17 | 100.0 | 100.0 | 99.6 | 97.5 | 91.5 | 71.2 | 39.6 | 13.5 | 4.4 | 67.4 | 930 |
| | 18-20 | 100.0 | 100.0 | 99.8 | 99.2 | 97.5 | 91.2 | 73.8 | 43.5 | 9.0 | 76.7 | 927 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 97.0 | 87.2 | 64.9 | 21.8 | 82.8 | 927 |
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| TOTALS | | 100.0 | 100.0 | 99.9 | 99.0 | 95.9 | 84.3 | 66.1 | 45.0 | 18.2 | 76.5 | 7433 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868 KSC SHUTTLE APT FL 69-78 JUN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 92.9 | 42.8 | 89.4 | 900 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.8 | 61.6 | 91.7 | 900 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 94.7 | 70.6 | 30.1 | 85.5 | 900 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 88.9 | 43.7 | 7.3 | 2.0 | 69.6 | 900 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 99.8 | 96.7 | 79.9 | 32.1 | 6.8 | 2.0 | 67.3 | 900 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.9 | 98.2 | 88.6 | 56.3 | 17.7 | 5.4 | 72.3 | 900 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.4 | 89.8 | 52.0 | 13.8 | 80.9 | 900 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.8 | 78.3 | 27.4 | 86.2 | 900 |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 94.3 | 76.7 | 52.7 | 23.1 | 80.4 | 7200 |

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868 KSC SHUTTLE APT FL
STATION STATION NAME

69-78

PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.6 | 51.6 | 91.0 | 929 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.3 | 64.5 | 92.6 | 930 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2 | 79.5 | 40.9 | 87.9 | 930 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.2 | 53.9 | 9.9 | .8 | 71.8 | 930 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 99.9 | 99.2 | 89.6 | 33.5 | 5.8 | 2.3 | 68.7 | 930 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 95.3 | 56.9 | 19.2 | 6.0 | 73.4 | 930 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 94.5 | 61.9 | 15.0 | 82.8 | 929 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 88.3 | 36.0 | 88.5 | 930 |
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| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.6 | 79.6 | 57.2 | 27.1 | 82.1 | 7438 |

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868 KSC SHUTTLE Apt FL

69-78

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 88.6 | 38.3 | 88.7 | 900 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 92.1 | 54.7 | 90.8 | 900 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.6 | 82.2 | 40.7 | 88.2 | 900 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 95.1 | 58.6 | 13.3 | .9 | 72.4 | 900 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 89.4 | 35.8 | 6.3 | 1.9 | 69.1 | 900 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 94.7 | 58.6 | 16.3 | 3.2 | 73.0 | 900 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.8 | 57.1 | 9.8 | 82.0 | 900 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 78.4 | 23.7 | 85.9 | 899 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.4 | 80.6 | 54.3 | 21.7 | 81.3 | 7199 |

RELATIVE HUMIDITY

12868
STATION

KSC SHUTTLE APT FL

STATION NAME

69-78

PERIOD

DC T

MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 94.4 | 82.6 | 63.0 | 31.4 | 82.8 | 930 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 95.3 | 84.3 | 68.8 | 37.7 | 84.5 | 929 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 94.8 | 82.2 | 62.9 | 35.5 | 83.3 | 930 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 95.3 | 74.7 | 45.3 | 15.8 | 3.3 | 69.2 | 930 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 98.1 | 89.6 | 60.5 | 30.6 | 8.8 | 2.9 | 64.9 | 930 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.1 | 93.7 | 74.0 | 44.7 | 18.3 | 3.7 | 69.0 | 930 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 92.8 | 75.8 | 45.3 | 10.9 | 78.0 | 930 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 93.8 | 78.0 | 57.3 | 20.9 | 80.6 | 930 |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.7 | 97.1 | 83.0 | 65.4 | 42.5 | 18.3 | 76.5 | 7439 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868
STATION

KSC SHUTTLE APT FL

69-78

NLIV

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 98.6 | 93.9 | 83.6 | 71.1 | 36.8 | 84.3 | 900 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 95.3 | 85.9 | 73.9 | 44.4 | 85.9 | 900 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.6 | 86.7 | 73.6 | 46.1 | 86.1 | 900 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 98.8 | 93.2 | 77.2 | 51.1 | 24.9 | 6.3 | 70.5 | 900 |
| | 12-14 | 100.0 | 100.0 | 99.3 | 95.2 | 85.3 | 56.4 | 27.7 | 8.7 | 1.9 | 63.2 | 900 |
| | 15-17 | 100.0 | 100.0 | 99.6 | 96.2 | 90.0 | 70.3 | 43.0 | 19.0 | 3.4 | 67.7 | 899 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.8 | 98.7 | 92.2 | 79.8 | 60.8 | 16.9 | 80.5 | 900 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.9 | 98.6 | 93.7 | 82.3 | 68.3 | 30.8 | 83.1 | 900 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 98.7 | 93.4 | 84.5 | 67.5 | 50.0 | 23.3 | 77.7 | 7199 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12868 KSC SHUTTLE Apt FL

STATION

STATION NAME

69-79

PERIOD

ALL

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 99.9 | 98.9 | 97.4 | 93.6 | 85.0 | 71.2 | 54.4 | 30.2 | 79.0 | 7437 |
| FEB | | 100.0 | 100.0 | 99.2 | 96.7 | 90.9 | 80.3 | 66.6 | 50.3 | 26.1 | 76.7 | 6766 |
| MAR | | 100.0 | 99.9 | 99.3 | 96.5 | 90.5 | 77.9 | 63.0 | 46.4 | 22.3 | 75.3 | 7427 |
| APR | | 100.0 | 100.0 | 99.4 | 96.9 | 88.9 | 73.2 | 55.4 | 39.2 | 14.6 | 72.4 | 7196 |
| MAY | | 100.0 | 100.0 | 99.9 | 99.0 | 95.9 | 84.3 | 66.1 | 45.0 | 18.2 | 76.5 | 7433 |
| JUN | | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 94.3 | 76.7 | 52.7 | 23.1 | 80.4 | 7200 |
| JUL | | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 95.5 | 77.4 | 56.2 | 24.6 | 81.1 | 7440 |
| AUG | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.6 | 79.6 | 57.2 | 27.1 | 82.1 | 7438 |
| SEP | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.4 | 80.6 | 54.3 | 21.7 | 81.3 | 7199 |
| OCT | | 100.0 | 100.0 | 100.0 | 99.7 | 97.1 | 85.0 | 65.4 | 42.5 | 18.3 | 76.5 | 7439 |
| NOV | | 100.0 | 100.0 | 99.9 | 98.7 | 95.4 | 84.5 | 67.5 | 50.0 | 23.3 | 77.7 | 7199 |
| DEC | | 100.0 | 100.0 | 99.6 | 98.3 | 95.6 | 86.6 | 70.4 | 53.5 | 29.4 | 79.1 | 7434 |
| TOTALS | | 100.0 | 100.0 | 99.7 | 98.6 | 95.5 | 86.8 | 70.0 | 50.1 | 23.2 | 78.2 | 67608 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

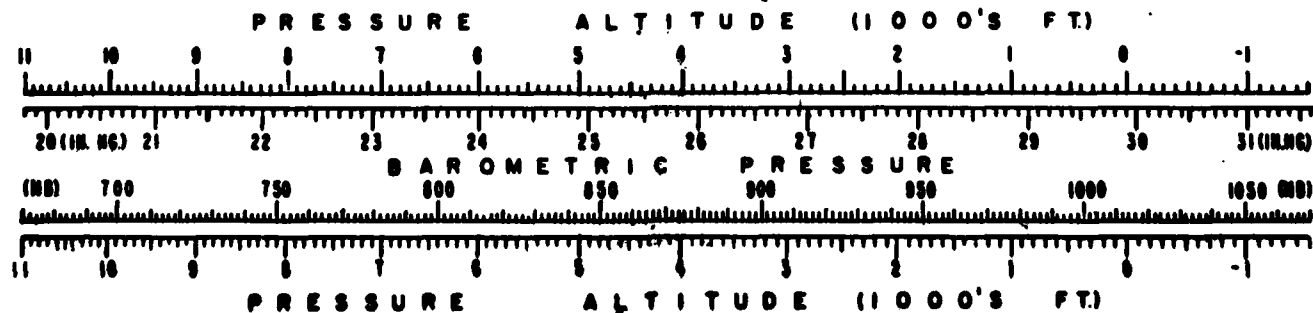
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

12868

KSC SHUTTLE APT FL

69-79

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | | | | | | | | | | | |
| 01 | MEAN | 30.099 | 30.092 | 30.051 | 30.048 | 29.985 | 29.994 | 30.053 | 30.029 | 29.989 | 29.997 | 30.062 | 30.094 | 30.041 | | | | | | | | | | | |
| | S D | .146 | .142 | .139 | .137 | .102 | .090 | .062 | .073 | .075 | .103 | .116 | .134 | .120 | | | | | | | | | | | |
| | TOTAL OBS | 308 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3650 | | | | | | | | | | | |
| 04 | MEAN | 30.088 | 30.072 | 30.025 | 30.029 | 29.966 | 29.973 | 30.032 | 30.004 | 29.967 | 29.978 | 30.049 | 30.081 | 30.022 | | | | | | | | | | | |
| | S D | .147 | .141 | .140 | .135 | .101 | .088 | .063 | .073 | .075 | .103 | .115 | .133 | .121 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 308 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3650 | | | | | | | | | | | |
| 07 | MEAN | 30.106 | 30.099 | 30.060 | 30.067 | 30.002 | 30.005 | 30.060 | 30.033 | 29.996 | 30.007 | 30.076 | 30.101 | 30.051 | | | | | | | | | | | |
| | S D | .146 | .142 | .140 | .135 | .100 | .090 | .062 | .073 | .076 | .104 | .116 | .135 | .120 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 | | | | | | | | | | | |
| 10 | MEAN | 30.151 | 30.136 | 30.094 | 30.093 | 30.024 | 30.026 | 30.083 | 30.062 | 30.025 | 30.039 | 30.110 | 30.143 | 30.082 | | | | | | | | | | | |
| | S D | .147 | .146 | .143 | .140 | .105 | .092 | .064 | .075 | .078 | .105 | .118 | .133 | .124 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | | | | | | | | | | | |
| 13 | MEAN | 30.102 | 30.101 | 30.065 | 30.069 | 30.003 | 30.011 | 30.068 | 30.045 | 30.000 | 30.003 | 30.064 | 30.093 | 30.052 | | | | | | | | | | | |
| | S D | .150 | .149 | .149 | .146 | .109 | .093 | .067 | .077 | .080 | .108 | .121 | .139 | .125 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | | | | | | | | | | | |
| 16 | MEAN | 30.074 | 30.059 | 30.020 | 30.027 | 29.966 | 29.978 | 30.035 | 30.009 | 29.961 | 29.977 | 30.038 | 30.067 | 30.017 | | | | | | | | | | | |
| | S D | .151 | .152 | .152 | .147 | .109 | .093 | .067 | .073 | .079 | .109 | .123 | .141 | .126 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | | | | | | | | | | | |
| 19 | MEAN | 30.096 | 30.082 | 30.029 | 30.033 | 29.970 | 29.985 | 30.040 | 30.013 | 29.973 | 29.996 | 30.060 | 30.091 | 30.031 | | | | | | | | | | | |
| | S D | .149 | .177 | .145 | .144 | .106 | .091 | .065 | .072 | .076 | .106 | .121 | .139 | .128 | | | | | | | | | | | |
| | TOTAL OBS | 309 | 282 | 307 | 298 | 308 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3643 | | | | | | | | | | | |
| 22 | MEAN | 30.117 | 30.104 | 30.062 | 30.064 | 30.002 | 30.012 | 30.065 | 30.044 | 30.005 | 30.020 | 30.080 | 30.109 | 30.057 | | | | | | | | | | | |
| | S D | .147 | .141 | .138 | .139 | .101 | .088 | .063 | .071 | .077 | .104 | .118 | .135 | .120 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 309 | 300 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 308 | 3648 | | | | | | | | | | | |
| ALL HOURS | MEAN | 30.104 | 30.093 | 30.051 | 30.054 | 29.990 | 29.998 | 30.054 | 30.030 | 29.989 | 30.002 | 30.067 | 30.097 | 30.044 | | | | | | | | | | | |
| | S D | .149 | .150 | .145 | .142 | .106 | .092 | .066 | .076 | .080 | .107 | .120 | .137 | .124 | | | | | | | | | | | |
| | TOTAL OBS | 2477 | 2256 | 2474 | 2398 | 2476 | 2400 | 2480 | 2480 | 2400 | 2480 | 2400 | 2477 | 29198 | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

12868

KSC SHUTTLE APT FL

69-79

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| HRS LST | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
| 01 | MEAN | 1019.9 | 1019.6 | 1018.2 | 1018.2 | 1016.0 | 1016.3 | 1018.3 | 1017.5 | 1016.2 | 1016.4 | 1018.6 | 1019.7 | 1017.9 | |
| | S D | 4.963 | 4.770 | 4.672 | 4.628 | 3.444 | 3.008 | 2.070 | 2.465 | 2.537 | 3.470 | 3.925 | 4.542 | 4.060 | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | |
| 04 | MEAN | 1019.5 | 1018.9 | 1017.4 | 1017.5 | 1015.4 | 1015.6 | 1017.6 | 1016.7 | 1015.4 | 1015.8 | 1018.2 | 1019.3 | 1017.3 | |
| | S D | 5.004 | 4.755 | 4.717 | 4.541 | 3.393 | 2.957 | 2.095 | 2.459 | 2.538 | 3.464 | 3.883 | 4.516 | 4.078 | |
| | TOTAL OBS | 310 | 282 | 308 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3650 | |
| 07 | MEAN | 1020.2 | 1019.9 | 1018.5 | 1018.8 | 1016.6 | 1016.7 | 1018.5 | 1017.6 | 1016.4 | 1016.8 | 1019.1 | 1020.0 | 1018.3 | |
| | S D | 4.940 | 4.787 | 4.701 | 4.556 | 3.377 | 3.033 | 2.067 | 2.464 | 2.549 | 3.500 | 3.903 | 4.558 | 4.045 | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | |
| 10 | MEAN | 1021.7 | 1021.2 | 1019.7 | 1019.7 | 1017.3 | 1017.4 | 1019.3 | 1018.6 | 1017.4 | 1017.8 | 1020.3 | 1021.4 | 1019.3 | |
| | S D | 4.980 | 4.925 | 4.830 | 4.730 | 3.547 | 3.077 | 2.145 | 2.504 | 2.630 | 3.564 | 4.008 | 4.522 | 4.192 | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | |
| 13 | MEAN | 1020.0 | 1019.9 | 1018.7 | 1018.9 | 1016.6 | 1016.9 | 1018.8 | 1018.0 | 1016.5 | 1016.6 | 1018.7 | 1019.7 | 1018.3 | |
| | S D | 5.102 | 5.029 | 5.019 | 4.936 | 3.673 | 3.121 | 2.223 | 2.586 | 2.691 | 3.663 | 4.077 | 4.699 | 4.213 | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | |
| 16 | MEAN | 1019.1 | 1018.5 | 1017.2 | 1017.4 | 1015.3 | 1015.8 | 1017.7 | 1016.8 | 1015.2 | 1015.7 | 1017.8 | 1018.8 | 1017.1 | |
| | S D | 5.157 | 5.117 | 5.115 | 4.958 | 3.790 | 3.113 | 2.227 | 2.471 | 2.682 | 3.675 | 4.164 | 4.767 | 4.265 | |
| | TOTAL OBS | 310 | 281 | 310 | 308 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 | |
| 19 | MEAN | 1019.8 | 1019.1 | 1017.5 | 1017.7 | 1015.5 | 1016.0 | 1017.9 | 1017.0 | 1015.6 | 1016.4 | 1018.6 | 1019.6 | 1017.5 | |
| | S D | 5.048 | 4.935 | 4.877 | 4.868 | 3.990 | 3.072 | 2.194 | 2.408 | 2.579 | 3.577 | 4.090 | 4.709 | 4.204 | |
| | TOTAL OBS | 309 | 282 | 307 | 298 | 308 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3643 | |
| 22 | MEAN | 1020.5 | 1020.0 | 1018.6 | 1018.7 | 1016.6 | 1016.9 | 1018.7 | 1018.0 | 1016.7 | 1017.2 | 1019.2 | 1020.2 | 1018.5 | |
| | S D | 4.985 | 4.757 | 4.657 | 4.673 | 3.418 | 2.965 | 2.088 | 2.398 | 2.599 | 3.507 | 4.005 | 4.616 | 4.060 | |
| | TOTAL OBS | 307 | 282 | 309 | 308 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 308 | 3648 | |
| ALL HOURS | MEAN | 1020.1 | 1019.6 | 1018.2 | 1018.4 | 1016.2 | 1016.5 | 1018.4 | 1017.5 | 1016.2 | 1016.6 | 1018.8 | 1019.8 | 1018.0 | |
| | S D | 5.067 | 4.938 | 4.883 | 4.790 | 3.592 | 3.097 | 2.210 | 2.347 | 2.687 | 3.608 | 4.061 | 4.664 | 4.194 | |
| | TOTAL OBS | 2476 | 2288 | 2474 | 2398 | 2477 | 2400 | 2480 | 2480 | 2400 | 2480 | 2400 | 2477 | 29197 | |